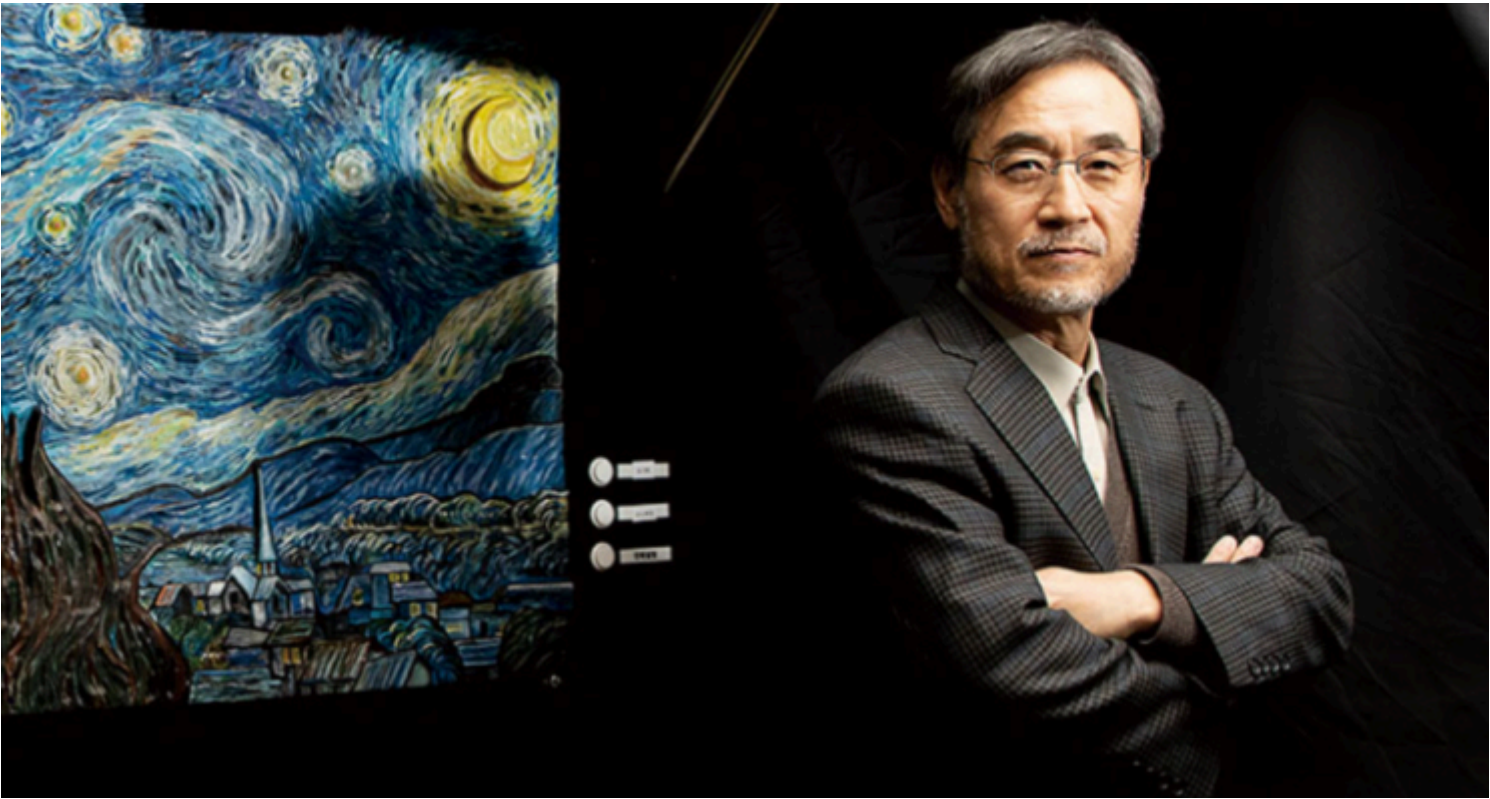


Jun Dong Cho, Professor Emeritus

블로그 소개

2024/05/01 07:32

<http://blog.naver.com/humartology/223432635528>



Jun Dong Cho, Professor Emeritus
School of Information and Communication
Sungkyunkwan University, Suwon, Korea

Email : jdcho@skku.edu
<https://blog.naver.com/humartology>
Research Interest: Artificial Intelligence for User Experience, Human Computer Interaction, Smart Human and Robot, Accessibility for the disable

1. Education

Period	Education
1990.1 ~ 1993.6	Ph.D., Computer Science, Northwestern University, Evanston, USA
1987.9 ~ 1989.8	M.S., Computer Science, New York University (Poly), Brooklyn, NY

	USA
1976.3 ~ 1980.2	B.S., Electronic Engineering, Sungkyunkwan University, Seoul, Korea

2. Professional Career

Period	Professional Career
2022.7 ~ 2024.7	Member of the National Human Rights Commission of Korea's Special Committee on Human Rights of Persons with Disabilities
2022.9 ~	Professor Emeritus, Department of Electronic and Electrical Engineering, College of Information and Communication, Sungkyunkwan University
1995.3 ~2022.8	Professor, Department of Electronic and Electrical Engineering, College of Information and Communication, Sungkyunkwan University
2018~2021	Principal researcher of the Ministry of Science and Technology's 'Science, Technology, Humanities and Society Convergence Research' project, "Development of non-visual information transmission interface for exhibition artworks for the visually impaired and research on the perspectives of parties to expand cultural enjoyment rights"
2020.3 ~ 2022.2	Adjunctive Professor of Sports Interaction Department, Graduate School of Sports Science, Sungkyunkwan University (Participation in BK21 Project: Preemptive Healthcare Technology Innovation Talent Education Research Group)
2018.3 ~ 2022.2	Adjunctive Professor of Smart Factory Convergence Department, Graduate School of Software Convergence, Sungkyunkwan University
2016.3 ~ 2022.2	Adjunctive Professor, Department of Digital Health, Graduate School of Samsung Institute of Convergence Medical Science, Sungkyunkwan University
2015.3~2017.2	Non-executive Project Manager, National Research Foundation of Korea (Electronic Convergence Group)
2012.9 ~ 2017.9	Adjunctive Professor, Graduate School of Interaction Science, Sungkyunkwan University (BK21 Project: Participation in the Interaction Science Business Team to foster UI/UX-focused global human informatics leaders)
2014.9 ~ 2022.2	Director of Human ICT Convergence Research Center, Sungkyunkwan University
2014.12 ~ 2021.12	Director of Korea Design Society
2013.9 ~2020.8	Head of the Creative Industry Convergence Specialized Talent Training Project,

	<p>supported from Korean Ministry of Commerce, Industry and Energy</p> <p>Head of the Graduate School of Human ICT Convergence, Sungkyunkwan University, (Research topic: Smart health care through IT + humanities + design convergence Human Computer Interaction)</p> <ul style="list-style-type: none"> - Established in 2013, Graduate School of Human ICT Convergence (Master's Program), Sungkyunkwan University - Conducting multidisciplinary research that combines Information and communication technology, product and interface design, embodied cognition, and user experience design - Establishing a “transdisciplinary” convergence research and education infrastructure to holistically respond to real world problems - formed a master's program convergence team consisting of students majoring in smart device platform planning, service/industrial design, and information and communication-related departments to develop IoT-based smart devices to improve aesthetics, usability, and playability. - In accordance with the changing demands of customer experience (CX), expansion into the convergence of IT (Information Tech.) + HT (Health Tech.) + CT (Cognitive Tech.) + DT (Design Tech.) - Constructs an Agile UX design education and research process aimed at improving human happiness, intellectual ability, and physical ability. <p>From 2012 to present, as a professor in charge of the “Convergence Capstone Design” or “Comprehensive Design Project” course, students’ convergence team project works have received the numerous contest awards such as</p>
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	- Minister of Health and Welfare Award, the Minister of Science, ICT and Future Planning Award, the Minister of Commerce, Industry and Energy Award, Reddot, IDEA Award, and Excellent Creative Convergence Project. (Minister of Trade, Industry and Energy Award - 2016, Korea Institute of Industrial Technology Director Award - 2017), Medical hackathon (Samsung Seoul Hospital Director Award, 2016), SKT IoT Makerathon (Grand Prize, 2017), Global Hackathon (Grand Prize, 2015), K-Hackathon (Excellence Award, 2015), Harvard Hillel Hackathon, Social technology (Mobile Parkinson's Disease Study, Runnerup), App Development Contest for the Disabled (Excellence Award, 2017), College Student App Development Challenge (Excellence Award, 2015), National College Student App Idea Contest (Future), the Minister of Creation and Science Award (2013), etc.
2008.3 ~ 2009.2	Visiting Professor, Department of Computer Science, University of Maryland, MD, USA
2005.3 ~ 2007.2	Director of Information and Communication Technology Research Institute, Sungkyunkwan University
2000.8 ~ 2001.7	Visiting scientist, IBM T.J. Watson Research Center, NY (received First Invention Award)
1983.7. ~ 1987.8 1993.7 ~ 1995.2	Researcher, team leader, chief researcher, Samsung Semiconductor and Communication Co., Ltd.

3. Academic Organization Service

Period	Academic Organization Service
2024.8.30~ 9.1	International Advisory Committee, 2024 International Joint Conference on Computer Vision and Pattern Recognition (CCVPR 2024), Shanghai, China
2023.12	Program Committee, The International Conference on Recent Advancements in Computing in AI, IoT and Computer Engineering Technology (CICET), Taipei, Taiwan
2017.10 ~2022. 3	1) Sensors(IF=3.275, Q2), Guest Editor, Special Issues in Smart Sensors and Applications (2017~2019) 2) Electronics (IF=2.690, Q2) (MDPI), Guest Editor, Special Issues in Multisensory Interaction (2020~ 2022)
2017. 6.25-29	Program Committee, The Third International Conference on Smart Portable, Wearable, Implantable and Disability-oriented Devices and Systems SPWID 2017, Venice, Italy
2014 ~ 2022	Director of Korea Design Society
2018.6.24~27	Organizing Chair, Aslla Symposium (topic: SPECULATING THE FUTURE SMART THINGS FOR INSTRUMENTING SOCIAL INTELLIGENCE), Korean Institute of Science

	and Technology - Gangneung Branch
2017.9.22~2017.9.23	Organizing committee, Medicolor Hackathon, Samsung Medical Center
2016.10.8~2016.10.9	Organizing Chair, Trend X MEDICAL HACK 2016, Samsung Medical Centerl, (Co-hosted by Human ICT Convergence Department of Sungkyunkwan University, Digital Health Department of Sungkyunkwan University, Samsung Medical Center, and Seoul Creative Economy Innovation Center)
2015. 6.17	Sungkyunkwan University and Samsung Design School (SADI) signed a convergence education exchange and cooperation agreement. Organizing SADI & Human ICT Convergence Department joint workshop
2016.7.3~2016.7.10	Program Committee, “Visions of Smart Mobility in 2025”, International Design Forum & Joint Workshop, Tianjin University, Tianjin, China
2014.11.19	Organizing Chair, 1st International Human ICT Convergence Symposium, Sungkyunkwan University
2014.6.27	Organizing Chair of the 1st Human ICT Creative Industry Convergence Open Workshop
2009. 3. 18-20	Program committee, Design, Analysis and Tools for Integrated Circuits and Systems (DATICS'09), Hong Kong
2005.3~2006.2	Advisory professor at Samsung Advanced Institute of Technology
2004.3~2006.7	Organizing committee, International SoC Conference
2003, 1. 21 - 24	Program committee, ASP-DAC 2003, (Asia and South Pacific Design Automation Conference), Kitakyushu , Japan
2002.11	International Conference in CAD-2002, program committee, San Jose, CA, USA
2002.2~2004.4	Korea Semiconductor Association Committee Member
2002.2~2004.4	Cooperative Director of System on Chip Association, the institute of Electronic and Information Engineers, Korea
2000.3~2000.12	Program Committee, The seventh Korean Conference on Semiconductor
2000. 1. 25 - 28	Program Committee , ASP-DAC 2000 (Asia and South Pacific Design Automation Conference 2000). Conference Center, Pacifico Yokohama
2000.3~2001.2	Integrated Circuit Expert Member, Korea Agency for Technology Standards
1996.4 ~	Senior Member, IEEE (International Institute of Electrical and Electronics Engineers)
1998.08~2000.04	Symposium on System Level Interconnection Prediction Program Committee
1999.08~2000.03	International Symposium on Quality of Electronic Design Program Committee
1999.03~2000.03	Steering Committee Member , CAD and VLSI Design Research Group
1999.03~1999.08	Organizing Committee, Asian Pacific Conference on ASIC

1998.03~2000.02	Associate Editor, the institute of Electronic and Information Engineers, Korea
1998.01~2000.01	Educational Activity Chair, IEEE EDS/SSCS Seoul Chapter
1998 ~현재	VSA TC Member (VLSI Systems and Applications Technical Committee (VSA TC)), IEEE Circuits and Systems Society
1998.01~1999.02	Associate Editor, Journal of Electrical Eng. and Information Science
1997.03~1999.03	Associate Editor, Korea Information Science Society
1997.08~2000.03	Committee member, Korea Semiconductor Association (academic conference)
1997.12~1999.12	Regional Steering Committee Member, IDEC (IC Design and Education Center)
1996.1~1997.12	Guest Editor of Special Issues, VLSI Design: International Journal of Custom Chip Design and Test
1996.01~1996.01	Committee member, CAD and VLSI Design Research Group of the institute of Electronic and Information Engineers, Korea
1995.01~1996.01	Asia Liason, Program committee, IEEE MCM Conference
1995.01~1996.01	Program Committee, IEEE International Conference on VLSI Design

4. Invited lectures

Period	Invited lectures
2022.8.30	“Multi-sensory experiences of museum exhibits for the visually impaired”, International Symposium on Museum Education (Topic: “Museum space creation and education for everyone”), National Museum of Korea (Result: ‘Five Senses’, an exhibition and learning space for the visually impaired and visually impaired, opening on September 14, 2023)
2021.7.31	“Development of non-visual information delivery interface for exhibition artworks and research on parties’ perspectives to expand cultural enjoyment rights”, Art & Sharing
2020.12.21~ 2020.12.27	“Development of non-visual information transmission interface for exhibition artworks for the visually impaired and research on the perspective of the parties to expand cultural enjoyment rights” (Science, Technology, Humanities and Society Convergence Research Project), Excellent convergence technology performance, Korea Science and Technology Exhibition
2020. 8. 19 ~ 23	Software Convergence Symposium, Korea Information Science Society (SWCS-2020) “Non-visual human computer interface for visually impaired people to appreciate exhibition art”
2010.11	“Smart ICT multi-sensory art work to promote empathy in gifted students”

	Invited lecture for teachers in charge of gifted education at elementary and middle school. Busan Metropolitan City Gifted Education Promotion Agency
2018.12.20	Seoul Craft Museum, accessibility advisory for the disabled, Seoul City Hall
2018.12.5	"Meeting between humans and ICT", convergence invitation lecture - ICT Culture Convergence Center (Pangyo)
2017.12.30	'Use of ICT for convergence classes', Catholic University Teaching and Learning Development Institute
2017.12.12	"2017 ICT convergence platform technology trend seminar according to the 4th industrial revolution" 'Research and development of multidisciplinary human ICT convergence smart platform according to the 4th industrial revolution', aT Center in Yangjae-dong, Seocho-gu, Seoul
2017.10.30~ 2017.10.31	Woori Bank's new branch manager financial leader course "Future Technology for the 4th Industrial Revolution" , Sungkyunkwan University Management Research Center
2017.9.1~ 2017.9.29	Woori Bank digital financial expert training course digital fintech strategy expertise lecture "Digital fintech strategy expertise Service Design and Business Model II (User Experience Management)", Sungkyunkwan University Management Research Center
2017.7.3~ 2017.12.8	Seoul Transportation Corporation executive-level long-term training course special lecture, ""Seminar on Future Technology and Insights for the 4th Industrial Revolution"" Management Research Center, Sungkyunkwan University
2016.1.14~ 2016.1.15	"4th Industrial Revolution and Seun Shopping Mall", Seoul Museum of History, Seoul Metropolitan Government, Korea Industry 4.0 Association
2016.12.06	"Introducing the achievements of the Department of Human ICT Convergence", Sungkyunkwan University Convergence Council, Sungkyunkwan University Industry-Academic Cooperation Center
2015.12.17	"Business creation through latest trends in emotional ICT technology and industrial application", Science and Technology Center, Yeoksim-dong, Seoul
2015.8.17~ 2015.8.21	"Wearable of he Future", SADI: International Design Workshop, Seoul SADI Campus
2014.11.5	"Convergencetype humaneers create a new future," Future Convergence Forum best practices for convergence research, Korea Institute of Science and Technology (KIST) Convergence Policy Research Institute

2014.5.14~ 2014.5.16	"Inaugural Global Health Workshop", Penn State University
2009.3.2~ 2010.2.1	"Digital low-power circuit design", Baeum.com: Course name [Technical Education]
2007.9.1~ 2007.12.12	SSIT Lecture: SOC Design Methodology (Semiconductor Design Special Lecture 2), Samsung Electronics
2007.6.14~ 2007.6.15	"Low Power Reconfigurable SoC Design for Wibro/WiMAX", 2007 IT-SOC industry practical training
2005.11.1~ 2005.11.11	"Multi-processor SoC Platform, SoC Forum", Samsung Advanced Institute of Technology
2004.11.16	"Software Defined Radio technology", KAIST EMDEC
2004.10.1	SDR (Software Defined Radio), SK Telecom Future Management Research Institute
2004.9.24	"Reconfigurable System, Low power design", Samsung Advanced Institute of Technology
2001.11.30	Timingdriven layout methodology for SOC design, Samsung Electronics
2001.12.18	Soft Defined Radio Design Method, Samsung Electronics Multimedia Team
1999.11.25	Korean Electronics Technology Institute, ASIC Designs, Science and Technology Center, Seoul
1999.11.20	"Deep Submicron Layout Designs", IC Design & Education Center
1999.11.18	"Low Power ASIC Designs", Samsung Electronics, IMT2000 Group, Telecommunication R&D Center,
1999.11.15	" Low Power System Designs: Reconfigurable Architecture", Samsung Electronics Central Research Center
1999.8.30	"Low Power Architecture Designs", IC Design & Education Center, IDEC (KAIST)
1999.8.13	"Low power Synthesis", Samsung Electronics
1998.7.1~ 1998.7.2	Low Power Design Optimization Technologies, Samsung Electronics Advanced Technology Research Center
1998.6.23~ 1998.6.25	"Digital VLSI system design", IDEC (Semiconductor Education Center, KAIST)
1998.3.1~ 1998.5.1	"Lower Power Design for Flex chip", Small and Medium Business Difficulties Technical Support Center
1998.5.18~ 1998.5.20	System Level Design Methodology, IDEC (Semiconductor Education Center, KAIST)
1998.5.2~ 1998.5.23	IDEC Project Course lecture, Hanyang University IDEC Center
1998.2.17	Low-power design lecture, Hanyang University IDEC Center

5. Exhibitions

Period	Exhibitions
2020.10.12~ 2020.10.30	'Blind Touch' exhibition, Chungju St. Mary's School
2019.11.19~ 12.13	"Blind-touch" - Multi-sensory art appreciation platform exhibition, Seoul National School for the Blind
2019.10.1~ 10.31	Blind-touch: Multi-sensory art appreciation platform exhibition, The 6th Siloam Welfare Center for the Visually Impaired Tactile Masterpiece Exhibition, EXPRESSIONISM
2016.12.1 ~ 2016.12.4	Human ICT Convergence Department IoT/wearable work exhibited at 2016 Creative Economy Expo, COEX
2011.11.25	IDEC Core-A Competition Exhibition of bio-signal measurement medical equipment system using Core-A, KAIST IDEC
2011.11.08	Seoul National University SoC Design Technology Center 7th SoC Design Competition - Exhibition title: Visual Fatigue Reduction for User Comfort
2005	IT-SoC 2005 & Next Generation PC Industry Exhibition
2004	Exhibition of Gyeonggi Science Festival achievements
1999.9.1	IBM 68000 product exhibition hosted by IBM Korea keynote address, Lotte Hotel, Seoul

6. Broadcasting and news

Period	Broadcasting and news
2020.12.10	"There is no separate goblin bat... 3D printing", art and tech platform (https://arko.or.kr/artntech)
2020.10.22	"Hearing music and smelling scents" A world drawn by the senses, MBC Chungbuk NEWS
2020.12.10	Would you like to print a miracle? knowledge channel ebs
2020.04.29	"A cradle of cutting-edge intellect, a visit to the university's next-generation research site. Sungkyunkwan University's Blind Touch, which brings the emotion of art appreciation to the visually impaired", Dong-A Ilbo
2019.11.27	YTN Science Amazing Jobs, Sungkyunkwan University Human ICT Convergence Research Center Introduction
2019.10.11	'Blind-touch' helps visually impaired people appreciate works of art, Able News
2019-10-15	"Sungkyunkwan University, 'Blind-touch' appreciating works of art more deeply through hearing and touch", Electronic Newspaper
2017.4.30	Future Planning 2030 Return of manufacturing, opening the era of the 4th Industrial Revolution, "The 4th Industrial Revolution begins with education"

	Introduction to Human ICT Convergence Department, College of Information and Communication, Sungkyunkwan University
2017.1.2~ 2017.2.28	Advisory on the 4th Industrial Revolution and Seun Shopping Mall, Seoul City Hall
2014.6.19	Convergence Capstone Final Presentation Press Release - Good Ideas When Heads Come Together, T-Broad News

7. Book

Title	Publication Date	Publisher	Author
Multi-sensory Interaction for Blind and Visually Impaired People	2022	MDPI, Switzerland	Jun Dong Cho
Sensory photography 감각사진	2020	Yonhap Planning Special Printing, Seoul 연합기획특수인쇄	Cho Jun-dong, Jeon Myeong-eun, Kang Seong-gil, Han Seong-hyun, Heo Eun-bin
The quantified self, The Wiley Handbook of Human Computer Interaction (pp. 909-922)	2018	John Wiley & Sons, Ltd Chichester, UK	Hong, Jeong-Ki; Cho, Jun-Dong
Creative Convergence Capstone Design with PBL 창의융합 프로젝트 아이디어북 (네이버지식사전등재)	2015	Hanbit Academy	Jun Dong Cho
Latest VLSI design: From CMOS to SOC 최신 VLSI 설계 : CMOS부터 SOC까지 (Selected as an excellent book by the National Academy of Sciences of Korea) KOCW public lecture	2010	Hanbit Academy	Jun Dong Cho
Collection of best practices for creative synergy convergence research that opens a new future (Part 3 Topic discovery and performance and evaluation: Human ICT Convergence Department, becoming the cradle of convergence education research, pp. 206-221)	2014	Korea Institute of Science and Technology Convergence Research Policy Center	Jun Dong Cho
Easy-to-understand digital logic circuit design	2010	Saengneung	Jun Dong Cho

알기 쉬운 디지털 논리회로 설계		Publishing Company	
108 live on-site lessons from world golf celebrities 세계 골프 명사들의 살아있는 현장 레슨 108가지	2005	Academy book	Jun Dong Cho
Introduction to CAD for digital system design 디지털 시스템 설계를 위한 CAD 입문	2004	Dae Young Sa, IDEC, KAIST	Shin Hyeon-cheol, Kim Bo-gwan, Cho Jun-dong
Basic experiments and utilization of electrical and electronic logic circuits 전기전자 논리회로 기초실험 및 활용	2003	Sungkyunkwan University Press	Cho Jun-dong, Kim Jong-tae
Low Power Digital Core Design for Multimedia and Communication Design	2002	Dae Young Sa	Cho Jun-dong, Jang Young-hoon
Vlsi Circuit Layout, Wiley Encyclopedia of Electrical and Electronics Engineering	2001	John Wiley & Sons, Inc. Hoboken, NJ, USA	Jun Dong Cho and Majid Sarrafzadeh
Steiner Trees in Industry (Steiner tree problems in vlsi layout designs, pp.101-173)	2001	Springer, Boston, MA, USA	Jun Dong Cho
VLSI DESIGN: Special Issue of High Performance Design Automation of VLSI Interconnect, Vol. 7, No. 1, (SCI expanded)	1998	Gordon and Beach Publishers, USA	Jun Dong Cho
High Performance Design Automation for Multi- Chip Modules and Packages	1996	World Scientific, Singapore	Jun-Dong Cho and Paul D. Franzon

8. Paper Publication

Title	Date	Publisher	Author
Case study on multisensory experience of museum exhibits for visually impaired people	2022	National Museum of Korea Education Paper Collection Museum Education 2022. Vol. 6 pp.5-27	Cho, Jun-Dong
Touch the color change: Representation of color change using tactile grating patterns.	2022	Psychology of Aesthetics, Creativity, and the Arts, Educational Publishing Foundation. American Psychological Association.	Lee, Eunsil; Kang, Jae-Hwan; Cho, Jun-Dong; Kim, Junsuk
A Case Study on H-Bot:	2022	Asia-pacific Journal of	Cho, Jun-Dong

Conversational Strategies Scenarios and Visualization Techniques to Assist Empathy		Convergent Research Interchange Vol.8, No.10, October 31 (2022), pp.89-98 http://dx.doi.org/10.47116/apjcri.2022.10.08	
AI Ekphrasis: Multi-Modal Learning with Foundation Models for Fine-Grained Poetry Retrieval	2022	Electronics 11 8 1275 MDPI	Jabbar, Muhammad Shahid; Shin, Jitae; Cho, Jun-Dong
Color Codes for Visual Art Appreciation: A Memorability Study	2022	Proceedings of HCI Korea, 64-68	Quero, Luis Cavazos; Lee, Chung-Heon; Cho, Jun-Dong
Accessible visual artworks for blind and visually impaired people: comparing a multimodal approach with tactile graphics	2021	Electronics 10 3 297 MDPI	Cavazos Quero, Luis; Iranzo Bartolomé, Jorge; Cho, Jundong
Tactile colour pictogram to improve artwork appreciation of people with visual impairments	2021	Color Research & Application 46 1 103-116 "John Wiley & Sons, Inc. Hoboken, USA"	Cho, Jun Dong; Quero, Luis Cavazos; Bartolome, Jorge Iranzo; Lee, Do Won; Oh, Uran; Lee, Inae
3D Sound Coding Color for the Visually Impaired	2021	Electronics 10 9 1037 MDPI	Lee, Yong; Lee, Chung-Heon; Cho, Jun Dong;
ColorPoetry: Multi-Sensory Experience of Color with Poetry in Visual Arts Appreciation of Persons with Visual Impairment	2021	Electronics 10 9 1064 MDPI	Cho, Jun-Dong; Lee, Yong
Construction of a soundscape-based media art exhibition to improve user appreciation experience by using deep neural networks	2021	Electronics 10 10 1170 MDPI	Kim, Youngjun; Jeong, Hayoung; Cho, Jun-Dong; Shin, Jitae
Multi-Sensory Color Expression with Sound and Temperature in Visual Arts Appreciation for People with Visual Impairment	2021	Electronics 10 11 1336 MDPI	Bartolome, Jorge Iranzo; Cho, Gilsang; Cho, Jun-Dong

ColorWatch: Color Perceptual Spatial Tactile Interface for People with Visual Impairments	2021	Electronics 10 5 596 MDPI	Jabbar, Muhammad Shahid; Lee, Chung-Heon; Cho, Jun Dong
Language of gleam: impressionism artwork automatic caption generation for people with visual impairments	2021	Thirteenth International Conference on Machine Vision 11605 304-311 SPIE	Lee, Dongmyeong; Hwang, Hyegyeong; Jabbar, Muhammad Shahid; Cho, Jun-Dong
Multi-sensory color code based on sound and scent for visual art appreciation	2021	Electronics 10 14 1696 MDPI	Cavazos Quero, Luis; Lee, Chung-Heon; Cho, Jun-Dong
Multi-Sensory Interaction for Blind and Visually Impaired People	2021	Electronics 10 24 3170 MDPI	Cho, Jun-Dong
Multi-Sensory Color Expression with Sound and Temperature in Visual Arts Appreciation for People with Visual Impairment.	2021	Electronics 2021, 10, 1336" Multi-Sensory Interaction for Blind and Visually Impaired People 185	Bartolome, JI; Cho, G; Cho, JD
3D Sound Coding Color for the Visually Impaired.	2021	Electronics 10 9 1037 MDPI	Lee, Y; Lee, CH; Cho, JD
A Study of Multi-Sensory Experience and Color Recognition in Visual Arts Appreciation of People with Visual Impairment	2021	Electronics 10 4 470 MDPI	Cho, JD
Tactile-Color System for Accessibility of Color Education: 2.5 D UV Printed Supplementary Material for Visually Impaired Students	2021	2021 15th International Conference on Ubiquitous Information Management and Communication (IMCOM) IEEE	Shin, Jaeun; Cho, Jundong; Lee, Sangwon
'Do-Eui-Shi': A Study on User Experience of Appreciating artwork using Association of the Visual arts and the Poetry	2020	<i>Proceedings of the Korean Society of Design Conference, 168-173.</i>	Lee Chung-heon, Cho Jun-dong
A Study on the Improvement of Appreciation Accessibility for Artworks Using Sound	2020	<i>Korean HCI Society Conference, 1207-1212.</i>	Hayoung Jeong, Jaeho Jeong, Jundong Cho
EXPLORING THE RELATIONSHIP	2020	Design convergence study. Dec	Kim, Woo Chan, Cho, Jun

BETWEEN COLOR SATURATION AND VALUE AND TACTILE TEXTURE FOR CLOTHING COLOR RECOGNITION OF VISUALLY IMPAIRED PEOPLE		31, 2020 19(6):221	Dong, Lee, Sangwon
A Case Study of Art Class for Students with Visual Impairments: Focusing on Appreciation of Masterpieces and Production of Artworks Using Tactile Color Book	2020	Visual Impairment Research (Korean Society for Education and Rehabilitation of the Visually Impaired)Vol. 36, No. 4 117 - 146 (30 pages)	Youngjun Sa, Jinseok Lee, Jundong Cho
Thermal Interaction for Improving Tactile Artwork Depth and Color-Depth Appreciation for Visually Impaired People	2020	Electronics 9 11 1939 MDPI	Iranzo Bartolomé, Jorge; Cho, Jun Dong; Cavazos Quero, Luis; Jo, Sunggi; Cho Gilsang
Exploring Thermal Interaction for Visual Art Color Appreciation for the Visually Impaired People	2020	International Conference on Electronics, Information, and Communication (ICEIC)	Bartolome, Jorge David Iranzo; Quero, Luis Cavazos; Cho, Jundong; Jo, Sunggi
Please Touch Color: Tactile-Color Texture Design for The Visually Impaired	2020	Extended Abstracts of the 2020 CHI Conference on Human Factors in Computing Systems	Shin, Jaeun; Cho, Jundong; Lee, Sangwon
Sound coding color to improve artwork appreciation by people with visual impairments	2020	Electronics 9 11 1981 MDPI	Cho, Jun Dong; Jeong, Jaeho; Kim, Ji Hye; Lee, Hoonsuk
Design and Evaluation of Multisensory Interactions to Improve Artwork Appreciation Accessibility for the Visually Impaired People	2020	Science of Emotion and Sensibility 23 1 41-56	Park, Gyeongbin; Jo, Sunggi; Jung, Chanhoo; Choi, Hyojin; Hong, Taelim; Jung, Jaeho; Yang, Changjun; Wang, Chao; Cho, Jundong; Lee, Sangwon
A Conversational Interactive Tactile Map for the Visually Impaired	2020	Science of Emotion and Sensibility 23 1 29-40	Lee, Yerin; Lee, Dongmyeong; Quero, Luis Cavazos; Bartolome, Jorge Iranzo; Cho, Jundong; Lee, Sangwon;

ColorWatch: Color-Tactile Interpretation to Improve Color Perception and Accessibility for People with Visual Impairments	2020	2020 International Conference on Information and Communication Technology Convergence (ICTC) 1632-1637 IEEE	Lee, Chung-Heon; Jabbar, Muhammad Shahid; Cho, Jun-Dong
A Study on Using Color-Concept Directed Scent to Allow Visually Impaired People to Appreciate Paintings	2020	Science of Emotion and Sensibility 23 4 73-92	Lee, Hoon-Suk; Cho, Jun-Dong;
Indoor Positioning System: Improved deep learning approach based on LSTM and multi-stage activity classification	2020	2020 IEEE International Conference on Consumer Electronics-Asia (ICCE-Asia) IEEE	Jabbar, Muhammad Shahid; Hussain, Ghulam; Cho, Jun-Dong
Convergence evaluation method using multisensory and matching painting and music using deep learning based on imaginary soundscape	2020	Journal of the Korea Convergence Society 11 11 175-182	Jeong, Hayoung; Kim, Youngjun; Cho, Jundong
Moving Dot: Dynamic tactile display using solenoid and liquid magnetic material - Case study for media art tactile exhibition	2020	Proceedings of HCI Korea, 213-217	Jo Seong gi, Chanhho Jeon, Cho Jun-dong, Taeil Kim
A Tactile Temperature Display Platform Incorporating Peltier Device and Graphene Film	2020	International Conference on Convergence Technology	Jo Sunggi, Cho Gilsang, Jorge David Iranzo Bartolome, Jun Dong Cho
PULSE BOX: Proposal of contents for media art and tactile art exhibition contents that induce participation behavior using the biometric data of visitors	2020	Korean Society of Design Science Conference, 94-95	Jo Seong-gi, Cho Jun-dong
Art Museum Audio Description Service Guide based on Keyword Extraction using Crowdsourcing and Data mining	2020	Proceedings of HCI Korea , 971-976	Lee Do-won, Hong Tae-rim, & Cho Jun-dong
A study on appreciation and	2020	Korean Society of EXHIBITION	Ki Tae-Hyun, Jeon Chae-

expressiveness of multisensory artworks towards Inclusive Exhibitions		DESIGN Studies, 17(2), 5-14	Young, Cho Jun-Dong, & Kim Jieun
ArtTouch: Multi-sensory Visual Art Experience Exhibition for People with Visual Impairment.	2020	Korean Society of EXHIBITION DESIGN Studies, 17(2), 41-54	Cho Jun-Dong, Jeon Hye Ryeon, Luis Cavazos Quero, Jorge Iranzo Bartolome, Jo Sunggi, Jo Sunggi, Cho Kil Sang, Lee Hoon Suk, Kim Ji-hye, Young June Sah, & Jeong Jaeho
A Qualitative Study on the Process of Appreciating Exhibited Artworks by the Visually Impaired People: Aimed at Improving the Rights of Enjoying Culture and Art	2019	Journal of Rehabilitation Research, 23, 105-139.	Kim Sun Hee, Um Myung-Yong, & CHO JUN-DONG
The Mediator Role of Self Esteem in the Pathways from Job Satisfaction and Leisure Activities to Acceptance of Disability in Workers with Visual Impairment	2019	Korea Academy of Disability and Welfare, 43(43), 133-155.	Kim Sangwon, Eom Mun-seol, Oh Hye-min, Yu Han-byeol, Lee Yanghee, (Cho Jun-dong
Color information transfer interface concept design for visually impaired people to appreciate works of art - Focused on the case of "Blind_Touch", a reproduction art for blind	2019	KSDS Conference Proceeding, 134-139	Jun Dong Cho, & Yanghee Lee
A Study on Creating Barrier-Free Exhibition Appreciation Environment based on the Visually Impaired Person's Perspectives	2019	Journal of the Korea Convergence Society 10 8 265-276	Kim, Sun-Hee; Um, Myung-Yong; Lee, Eui-Bhin; Cho, Jun-Dong
Indoor positioning system: A new approach based on LSTM and two stage activity classification	2019	Electronics 8 4 375 MDPI	Hussain, Ghulam; Jabbar, Muhammad Shahid; Cho, Jun-Dong; Bae, Sangmin

Jido: a conversational tactile map for blind people	2019	The 21st International ACM SIGACCESS Conference on Computers and Accessibility 682-684	Cavazos Quero, Luis; Iranzo Bartolomé, Jorge; Lee, Dongmyeong; Lee, Yerin; Lee, Sangwon; Cho, Jundong
Color Information Transfer Multi-modal Interface Concept Design for People with Visually Impairment to Appreciate Works of Art - Focused on the Case of Blind-Touch, a Reproduction Art for Blind	2019	Design Works 2 2 44-58	Jun Dong Cho, Luis Cavazos Quero, Jorge Iranzo Bartolomé, , Dowon Lee, Sunggi Jo, Yanghee Lee, & Inae Lee (2
Exploring art with a voice controlled multimodal guide for blind people	2019	Proceedings of the Thirteenth International Conference on Tangible, Embedded, and Embodied Interaction, 383-390	Iranzo Bartolome, Jorge; Cavazos Quero, Luis; Kim, Sunhee; Um, Myung-Yong; Cho, Jundong
A Study on the Possibility and Improvement of Development of visual arts viewing tool and study of user interface for the visually impaired	2019	KSDS Conference Proceeding, 288-293	Hong, Tae-lim, & Jun Dong Cho
A Study on User Interface via Non-visual Information Recognition of Exhibition Art for Blind People: Focus Group Interviews among Female University Students	2019	Proceedings of HCI Korea, 669-673.	En Han, Sunhee Kim, Luis Cavazos Quero, Jorge Iranzo Bartolomé, , Seonggu Lee, & Jundong Cho
A Study on the Improvement of Artwork Appreciation through the Olfactory Stimulation	2019	KSDS Conference Proceeding, 118-119.	Dowon Lee, Dongmyeong Lee, & Jundong Cho
Pattern coding concept design using color-pattern synesthesia for blind people - Focused on the case of "Blind_Touch", a reproduction art for blind	2019	KSDS Conference Proceeding, 154-155.	Jundong Cho
B-itness Center: An experimental exhibition that will help prevent	2019	KSDS Conference Proceeding, 254-255.	Sunggi Jo, & Jun Dong Cho

dementia with brain plasticity			
A Study on the Color Emotional Expression of Non-visual Method or the Blind	2019	KSDS Conference Proceeding, 354-355.	Hyunjee No, Sunggi Jo, Jajoon Koo, & Jundong Cho
Development of virtual reality rehabilitation contents for improvement of quadriceps muscle strength in patients with incomplete spinal cord injury: A case study	2019	KSDS Conference Proceeding, 144-149.	Yeongsang An, Hayoung Jeong, Wonje Lee, Chanhee Park, & Jundong Cho
A Qualitative Study on the Process of Appreciating Exhibited Artworks by the Visually Impaired People: Aimed at Improving the Rights of Enjoying Culture and Art	2019	Journal of Rehabilitation Research, 23, 105-139.	Seon-hee Kim, Myeong-yong Um, & Jun-dong Cho
Structural relationships among stress, leisure activities, and life satisfaction for persons with visual impairment	2019	Visual impairment research, Korean Society for Education and Rehabilitation of the Visually Impaired, 34(1), 25-39	Sangwon Kim, 엄문설, 안새미, Yanghee Lee, & Jun-Dong Cho
<i>Stress Detection of the Students Studying in University using Smartphone Sensors</i>	2018	The Fourth International Conference on Smart Portable, Wearable, Implantable and Disability-oriented Devices and Systems, Barcelona, Spain	G. Hussain, M. S. Jabbar, S.M. Bae, J.D. Cho
Development of Persona and Scenario for UX Concept Proposal of Refrigerator Lighting	2018	Proceedings of HCI KOREA 2018	Lee Eun mi, Han Eun, Son Ju Young, Choi Suzi, Jo Hye Ryun, Jung Hyun Hee, Jang Su Young, Kim Mi Hyun, & Cho Jun Dong
<i>Real Growing Avatar System for Maintaining Self-improvement</i>	2018	Proceedings of HCI KOREA 2018	Seonggu Lee, Lee Eunmi, & Jundong Cho
<i>ICT Service to Reduce Perceived Waiting Time at Children's Hospital</i>	2018	Proceedings of HCI KOREA 2018	Jooyoung Son, Garam Lee, Junyoung Jang, Hyunwoo Kim, Jiyeon Lee, Gwangrae Yeom, Seonhaeng Heo,

			Seogwang Kim, & Jundong Cho
Speech recognition and kiosk-based route guidance in a subway station	2018	Proceedings of HCI KOREA 2018	Chung Minki, Kim Hyochan, Choi Suzi, Han En, & Cho Jundong
MARACAS : Development of Activity-based boardgame for enhancement of physical ability	2018	Proceedings of HCI KOREA 2018	En Han, Junyoung Jang, Jooyoung Son, Dongwoon Lee, Hyeruyn Jo, & Jundong Cho
A study on future Autonomous Vehicle Interior Lighting scenario structure based on Contextual User Research.	2018	Proceedings of HCI KOREA 2018	Suzi Choi, Seonggu Lee, & Jundong Cho
Smartphone Sensor using methodology for rich mobile user experience analysis	2018	Proceedings of HCI KOREA 2018	Wooyong Yi, Hocheol Shin, & Jun-Dong Cho
Proposal of bi-directional emergency rescue line system through button in case of fire in a skyscraper building	2018	Proceedings of HCI KOREA 2018	Hye-Ryun Jo, Won-Jae Lee, Su-young Jang, & Jun-dong Cho
A Study of Human Error in Elderly's SPPB Test	2018	Proceedings of HCI KOREA 2018	Wonje Lee, Eunmi Lee, Jooyoung Son, Gwangrae Yeom, Hyeryun Jo, Hyochan Kim, Sungjun Jeon, & Jundong Cho
Devices that help users choose the moment of choice	2018	KSDS Conference Proceeding	Wonje Lee, Eunmi Lee, & Jundong Cho
Real Growing Avatar System for Maintaining Self-improvement	2018	Proceedings of HCI KOREA	Seonggu Lee, Lee Eunmi, & Jundong Cho
AB-Cube : Tangible Device to Help Senior Citizens Learn Foreign Languages	2018	KSDS Conference Proceeding	Eunmi Lee, Seunggu Lee, Wonje Lee, & Jundong Cho
Lane-less Augmented Reality Parking System with HUD View	2018	Proceedings of HCI KOREA	Hyochan Kim, Minki Chung, & Jundong Cho

For Enhancing Robustness and Precision of WiFi Fingerprinting Indoor Positioning with Pedestrian Dead Reckoning	2018	The 6th International Symposium on Advanced and Applied Convergence (ISAAC 2018)	Jabbar, Muhammad Shahid; Hussain, Ghulam; Cho, Jundong; Bae, Sangmin
Design a PIZZA PLATE for your convenience	2018	<i>KSDS Conference Proceeding</i> , 246-247	Jeonghyeon Roh, Jeahyeon Kwon, Hwimok Jeon, & Jundong Cho
Food intake detection and classification using a necklace-type piezoelectric wearable sensor system	2018	IEICE TRANSACTIONS on Information and Systems 101 11 2795-2807	Hussain, Ghulam; Javed, Kamran; Cho, Jundong; Yi, Juneho
An interactive multimodal guide to improve art accessibility for blind people	2018	Proceedings of the 20th International ACM SIGACCESS Conference on Computers and Accessibility 346-348, Galway, Ireland	Cavazos Quero, Luis; Iranzo Bartolomé, Jorge; Lee, Seonggu; Han, En; Kim, Sunhee; Cho, Jundong
D-Aquarium: A Digital Aquarium to Reduce Perceived Waiting Time at Children's Hospital	2018	The 31st Annual ACM Symposium on User Interface Software and Technology, Pages 108-110, Berlin, Germany	Son, Jooyoung; Choi, Suzi; Cho, Jundong;
Designing conversational voice user interface for improving intimacy of shared invehicle	2018	Proceedings of the 2018 ACM International Joint Conference and 2018 International Symposium on Pervasive and Ubiquitous Computing and Wearable Computers 33-37	Choi, Suzi; Kim, Youngjun; Han, Eun; Son, Jooyoung; Cho, Jundong
Moonglow: wearable device which helps with cognitive behavioral therapy for panic disorder patients	2018	Proceedings of the 2018 ACM International Joint Conference and 2018 International Symposium on Pervasive and Ubiquitous Computing and Wearable Computers 126-129	Lee, Eunmi; Lee, Wonje; Cho, JunDong
High-performance PZT-based stretchable piezoelectric nanogenerator	2018	ACS Sustainable Chemistry & Engineering 7 1 979-985 American Chemical Society	Niu, Xushi; Jia, Wei; Qian, Shuo; Zhu, Jie; Zhang, Jing; Hou, Xiaojuan; Mu, Jiliang;

			Geng, Wenping; Cho, Jundong; He, Jian
Flexible one-structure arched triboelectric nanogenerator based on common electrode for high efficiency energy harvesting and self-powered motion sensing	2018	AIP Advances 8 4 45022 AIP Publishing LLC	Chen, Xi; He, Jian; Song, Linlin; Zhang, Zengxing; Tian, Zhumei; Wen, Tao; Zhai, Cong; Chen, Yi; Cho, Jundong; Chou, Xiujian
Core-shell coaxially structured triboelectric nanogenerator for energy harvesting and motion sensing	2018	RSC advances 8 6 2950-2957 Royal Society of Chemistry	Tian, Zhumei; He, Jian; Chen, Xi; Wen, Tao; Zhai, Cong; Zhang, Zengxing; Cho, Jundong; Chou, Xiujian; Xue, Chenyang
Triboelectric-piezoelectric-electromagnetic hybrid nanogenerator for high-efficient vibration energy harvesting and self-powered wireless monitoring system	2018	Nano Energy 43 326-339 Elsevier	He, Jian; Wen, Tao; Qian, Shuo; Zhang, Zengxing; Tian, Zhumei; Zhu, Jie; Mu, Jiliang; Hou, Xiaojuan; Geng, Wenping; Cho, Jundong
All-in-one filler-elastomer-based high-performance stretchable piezoelectric nanogenerator for kinetic energy harvesting and self-powered motion monitoring	2018	Nano Energy 53 550-558 Elsevier	Chou, Xiujian; Zhu, Jie; Qian, Shuo; Niu, Xushi; Qian, Jichao; Hou, Xiaojuan; Mu, Jiliang; Geng, Wenping; Cho, Jundong; He, Jian
Functional-power-aware Partial Gating Method for Low Power Scan-shift	2018	JOURNAL OF SEMICONDUCTOR TECHNOLOGY AND SCIENCE 18 1 125-129	Noh, Kyongjun; Lee, Taehee; Cho, Jundong
Stretchertainment: Inducing Passive Stretching with HUD Infotainment in Automotive	2017	Proceedings of the 9th International Conference on Automotive User Interfaces and Interactive Vehicular Applications Adjunct 173-177	Jang, Suyoung; Kim, Hyochan; Cho, Jundong
Emoflex: Emotional Human-Interaction Robot with Flexible Display	2017	In Proceedings of the 2017 ICCT	Jeong, D. Y, Yeom, G. R., Kim, S. G., & Cho, J. D.

Prevention of false detection in indoor location based service using smartphone sensor	2017	In Proceedings of the 2017 ICCT.	Kim, H. Y, Bae, S. M., Lee, J. H., & Cho, J. D.
AVM calibration method for variant size and position of plate	2017	In Proceedings of the 2017 ITC-CSCC.	Park, J. W, Park, C. O., & Cho, J. D.
Performance analysis of robustness in Bluetooth based indoor localization	2017	Proceeding of 3rd International Workshop on Convergence Information Technology, Volume: [IWCIT 2017] pp155-160, Nov. 2017	G. Hussain, M. S. Jabbar, H. Kim, J.W.Park, J.D. Cho, S.M. Bae
WearPod - A Study on UI Design of Wearable-based Podcast Application: Focused on Bookmark Function	2017	<i>KSDS Conference Proceeding</i>	Jang Jun-young, cho Joon-dong
Proposal of Interactive Language Learning System(ILLs) using ICT Technology	2017	<i>KSDS Conference Proceeding</i>	Hyun-Woo Kim, Gwang-Rae Yeom, Hyun-Hee Jeong, Jun-Dong Cho
Case study of CCTV design development for cultural property management	2017	<i>KSDS Conference Proceeding</i>	Lee Dong-woon, Lim Jae-hong, Cho Jun-dong
Project-based to-do list having priority tasks mobile application design proposal	2017	<i>KSDS Conference Proceeding7</i>	Jeong-Hoon Lee, Hyun-Hee Jeong, Jun-Dong Cho
A suggestion of interaction-based eye movement mobile application design	2017	<i>KSDS Conference Proceeding</i>	Choi, Suzi, Kim, Ah-Ram, & Cho, Jun-Dong
Crosswalk design for blind people 'Flower way'	2017	<i>KSDS Conference Proceeding</i>	Jo, Hye-Ryun, Lim, Jae-Hong, & Cho, Jun-dong
A Portable System of Visual Fatigue Evaluation for Stereoscopic Display	2017	International Conference on Neural Information Processing 296-306 "Springer, Cham"	Bai, Yue; Cho, Jun-Dong; Hussain, Ghulam; Xie, Song-Yun
Smart Light Stick: An Interactive System for Pop Concert	2017	5th International Conference on Mechatronics, Materials, Chemistry and Computer Engineering (ICMMCCE 2017)	Yang, Jing; Bai, Yue; Cho, Jundong

		596-600 Atlantis Press	
System Design of parking lot tile which is changeable parking line in width according to vehicle size	2017	Korean Society of Electronic Engineers Conference	Hyo-Chan Kim, & Jun-Dong Cho
Proposal of wearable device based on cognitive behavior therapy of panic disorder	2017	<i>KSDS Conference Proceeding</i>	Lee, Eun-Mi, & Cho, Jun-Dong
Slate master: a tangible braille slate tutor for mobile devices	2017	Proceedings of the 19th International Conference on Human-Computer Interaction with Mobile Devices and Services, p. 108	Lee, Garam; Quero, Luis Cavazos; Yang, Jing; Jung, Hyunhee; Son, Jooyoung; Cho, Jundong
EYE DEAR: Smartphone Text Resizing Interaction for the Eye Health of the Presbyopia Population	2017	Adjunct Publication of the 30th Annual ACM Symposium on User Interface Software and Technology 161-163	Lee, Ji yeon; Hong, In seek; Lee, Jong sung; Cho, Jun dong
A Suggestion for Tracking System of Caffeine Intake Data based on Purchase	2017	<i>Proceedings of HCI KOREA</i>	Hyun Hee Jung, Kihyuk Park, Dong Woon Lee, Jong Sung Lee, & Jun Dong Cho
Home talky: SNS service for sustainable communication for all the family members across every generation	2017	Proceedings of the 2017 CHI Conference Extended Abstracts on Human Factors in Computing Systems 1809-1815	Lee, Jiyeon; Joi, Yeong Rae; Kim, JinHwang; Lee, JongSung; Cho, Jun Dong; "
D-TOX: Inducing digital detox for nighttime via smart lamp applied gamification	2017	Proceedings of the 2017 Conference on Interaction Design and Children 497-502	Lee, JongSung; Lee, Ji Yeon; Kim, Seog Wang; Cho, Jun Dong
Reducing 'Dead Time' in Mobile Game: Focusing on Psychological Time	2017	<i>Proceedings of HCI KOREA</i>	Wooyong Yi, Hocheol Shin, & Jun-Dong Cho
Quantifying children's engagement with educational tangible blocks	2017	Proceedings of the Eleventh International Conference on Tangible, Embedded, and	Cho, Jaewon; Yoo, Junwoo; Shin, Ju-young; Cho, Jun-dong; Bianchi, Andrea

		Embodied Interaction" 389-395	
Fam-On: Family shared time tracker to improve their emotional bond	2017	Proceedings of the 19th International Conference on Human-Computer Interaction with Mobile Devices and Services	Yeom, GwangRae; Lee, Garam; Jeong, Dayoung; Rhee, Jeonghoon; Cho, Jundong
H-slate: A hybrid braille slate soft keyboard for touchscreen devices Companion of the	2017	2017 ACM Conference on Computer Supported Cooperative Work and Social Computing 159-162, portland, oregon, USA, February 2017 ACM	Cavazos Quero, Luis; Lee, Garam; Yang, Jing; Cho, Jundong
CIRCLE ROUND : Flexible Communication using Multiple Access at Face-to-Face Meeting,	2016	CSCW2016, San Francisco, California	Mankyung Lee, Joohee Kim, KwangJae Lee, Jundong Cho
Clothes Rada: A Crowdsourcing Application Collecting and Displaying User Clothes Data	2016	ICCE-Asia, Seoul	Hye Lim Cheon, Jundong Cho
Design of Smart Dustproof Mask and Smart Armband for Occupational Respiratory diseases Prevention of Construction laborer	2016	<i>KSDS Conference Proceeding</i>	Noh, Woo-Ri, Jeong Beom-Taek, Kim Ye-Ji, Kim Jin-Hwang, Lee Na-Hyeon, Jang Do-Young, Park Ki-Hyuk, & Cho Jun-Dong
Baronson - A proposal for the model of smart pencil proofreads with user's writing behavior	2016	<i>KSDS Conference Proceeding</i>	Heo, Seon-Haeng, Lee, Ji-Yeon, Kim, Hyeon-Woo, Hong, InSeok, Oh, Wang-Seok, & Cho, Jun-Dong
Scent Map for Owner and Pet by Visualizing Olfactory Information	2016	<i>KSDS Conference Proceeding</i>	Kim, Ye-Ji, Oh, Wang-Seok, & Cho, Jun-Dong
Improvement of Communication between Family Members by Voice Record-based Datamining	2016	<i>KSDS Conference Proceeding</i>	Lee Ji Yeon, Jo Yeong Rae, Jung Da Young, Kim Jin Hwang, & Cho Jun Dong

Visualization			
Media-content Production Platform based on User Experience - Application for Recipe	2016	<i>KSDS Conference Proceeding</i>	Lee, Kwang-Jae, Lee, Man-Kyung, Kim, Joo-Hee, & Cho, Jun-Dong
A Suggestion of Sleep Tracking Application Design for Attracting User's Interest and Interactivity	2016	<i>KSDS Conference Proceeding</i>	Jung, Hyun Hee, Jang, Jun Young, Lee, Ji Yeon, Oh, Wang Seok, Bae, Sang Min, & Cho, Jun-Dong
Proposal of Concept Design for Nonsmoking Wearable Device of Smart Watch	2016	<i>KSDS Conference Proceeding</i>	Kim, Yu-Cheol, Jung, Hyun-Hee, Jang, Jun-Young, Cho, Jun-Dong, Bae, Sang-Min, & Oh, Wang-Seok
Wearable-Based Transit Mobile App-WearBus UI Design - Focused on the Bus Route Information	2016	<i>KSDS Conference Proceeding</i>	Jeong, Da-Young, Jang, Jun-Young, Lee, Jong-Sung, Kim, Seo-Gwang, & Cho, Jun-Dong
Health Screening Service by Subway Handle for Office Workers	2016	<i>KSDS Conference Proceeding</i>	Kim Jin Hwang, Lee Ji Yeon, Jeong Dayoung, Joi Yeong Rae, & Cho Jun Dong
Health User Experience Device for the Effective Push Up Exercise Tracking	2016	Proceedings of HCI Korea, 345-350	Ki-Hyuk Park, Yoo-Jeong Moon, Hye-Lim Cheon, & June-Dong Cho
The Analysis of Adequacy on Cancer-related Medical articles Using Machine learning	2016	Proceedings of HCI Korea, 454-459	Junyoung Park, Minsik Lee, Imryung Kim, Junghee Yoon, Juhee Cho, & Jundong Cho
Assessment of children's own pain status using intuitive scale and interactive device	2016	한Proceedings of HCI Korea, 207-209	Yoojeong Moon, Doyoung Jang, & Jundong Cho
Real-time Smart toothbrush Using Image processing, accelerometer and gyro sensor	2016	Proceedings of HCI Korea, 406-408	Doyoung Jang, Nahyun Lee, Yeji Kim, Yoojeong Moon, & Jundong Cho
Proposal of Fire Evacuation Routes System using IoT	2016	Proceedings of HCI Korea, 413-414	Joon-ho Kim, Tae-hyun Lee, Sang-heon Cho, & Jun-dong Cho

Visual Fatigue Detection Using Binocular Disparity and PPG in Stereoscopy	2016	IEICE Proceedings Series 61 P3-14	Park, Jin-hoon; Hussain, Ghulam; Choi, Yun-su; Kim, Jong-hak; Park, Jin-won; Cho, Jun-dong
Estimated Position Based on the Camera by a Fingerprint Method for Optimizing 3D Effects	2016	IEICE Proceedings Series 61 P2-11	Kang, Sung-muk; Park, Jinhoon; Choi, Yun-su; Park, Jin-won; Cho, Jun-dong
Robust occlusion recognition based on ring projection transforms	2016	"The 31st international technical conference on circuits/systems, computers and communications " 959-962	Yun-su Choi, Jin-hoon Park, Ghulam Hussain, Jong-hak kim, Jin-won park, and Jun-Dong Cho
Data Visualization of Relationship History on Social Network Service	2016	Proceedings of HCI Korea, 53-55	Jin Hwang Kim, Joo Hee Kim, Yeong Rae Joi, & Jun Dong Cho
Efficient hardware implementation of real-time rectification using adaptively compressed Lut	2016	JSTS: Journal of Semiconductor Technology and Science 16 1 44-57	Kim, Jong-hak; Kim, Jae-gon; Oh, Jung-kyun; Kang, Seong-muk; Cho, Jun-Dong
Expression recognition based on artificial neural network using error backpropagation learning algorithm	2016	International Journal of Applied Engineering Research 11 2 820-823 Research India Publications	Sim, S-K; Cho, J-D
TakeOut: drawing application using distributed user interface for being close to real experience	2016	Proceedings of the 2016 ACM International Joint Conference on Pervasive and Ubiquitous Computing: Adjunct 173-176, Germany, 2016	Noh, Woori; Lee, Mankyung; Cheon, Hyelim; Kim, Joohee; Lee, Kwangjae; Cho, Jundong
Design and performance analysis of a cost-effective proxy-LMA mobility management scheme in IP-based mobile networks with global mobility support	2016	International Journal of Ad Hoc and Ubiquitous Computing 21 4 273-289 Inderscience Publishers (IEL)	Cho, Chulhee; Choi, Jae-Young; Cho, Jun-Dong; Jeong, Jongpil
On efficient SC-based soft handoff scheme in proxy mobile IPv6 networks	2016	International Conference on Computational Science and Its Applications 251-262 "Springer, Cham"	Song, Byunghun; Kwon, Youngmin; Jang, Hana; Jeong, Jongpil; Cho, Jun-Dong

On multicasting-based fast inter-domain handover scheme in Proxy mobile IPv6 networks	2016	International Conference on Intelligent Computing 494-505 "Springer, Cham"	Jeong, Jongpil; Cho, Jun-Dong; Choi, Younseok; Kwon, Youngmin; Song, Byunghun
On cross-layer based handoff scheme in heterogeneous mobile networks	2016	International Conference on Intelligent Computing 482-493 "Springer, Cham"	Song, Byunghun; Shin, Junho; Jang, Hana; Lee, Yongkil; Jeong, Jongpil; Cho, Jun-Dong
Watch and Nudge	2016	Proceedings of HCI Korea, 421-423	Lee Wooyong ; Shin Ho-cheol; Cho Jun-dong
Subway Passenger Distribution System by using CO2 Concentrations Data	2016	Proceedings of the 6th International Conference on the Internet of Things 183-184,Germany, 2016	Jang, Junyoung; Kim, Hyeonwoo; Yeom, Gwangrae; Hong, Inseok; Cho, Jundong
Clothes radar: A crowdsourcing application collecting and displaying user clothes data	2016	2016 IEEE International Conference on Consumer Electronics-Asia (ICCE-Asia) IEEE	Cheon, Hye-Lim; Cho, Jundong; "
Smart-rug: haptic feedback for restraining crossed leg	2016	Proceedings of the 2016 ACM International Joint Conference on Pervasive and Ubiquitous Computing: Adjunct 125-128	Kim, Yeji; Lee, Taeyang; Cho, Jundong
Visual fatigue measurement model based on multi-area variance in a stereoscopy	2016	2016 18th International Conference on Advanced Communication Technology (ICACT) 814-817 IEEE	Cho, Hyeong-jun; Hussain, Ghulam; Park, Jin-hoon; Kim, Jong-hak; Cho, Jun-dong
Tangible Block with Visual Feedback to Improve Cognition of Structure and Weight Distribution for Children	2016	Proceedings of HCI Korea, 294-296	Tae Yang Lee, Nockhwan Kim, & Jun Dong Cho
Design of ICU(Intensive Care Unit) Protocol	2016	<i>KSDS Conference Proceedings</i>	Cheon Hye-Lim, Noh Woo-ri, Park Ki Hyuk, Jun-Dong Cho, & Park Chi Min
Slowee: A smart eating-speed guide system with light and vibration feedback	2016	Proceedings of the 2016 CHI Conference Extended Abstracts on Human Factors in Computing Systems 2563-2569, San Jose,	Kim, Joohee; Lee, Kwang-Jae; Lee, Mankyung; Lee, Nahyeon; Bae, Byung-Chull; Lee, Genehee; Cho, Juhee;

		California, 2016	Shim, Young Mog; Cho, Jun-Dong
Interactive and connected tableware for promoting children's vegetable-eating and family interaction	2016	Proceedings of the The 15th International Conference on Interaction Design and Children 414-420, Manchester, UK, 2016	Joi, Yeong Rae; Jeong, Beom Taek; Kim, Jin Hwang; Park, Joongsin; Cho, Juhee; Seong, Eunju; Bae, Byung-Chull; Cho, Jun Dong
A feedback system for the prevention of forward head posture in sedentary work environments	2016	Proceedings of the 2016 ACM Conference Companion Publication on Designing Interactive Systems 161-164, Brisbane, Australia, 2016	Kim, Joohee; Lee, Na Hyeon; Bae, Byung-Chull; Cho, Jun Dong
Denteach: A device for fostering children's good tooth-brushing habits	2016	Proceedings of the The 15th International Conference on Interaction Design and Children 619-624 2016	Lee, Nahyeon; Jang, Doyoung; Kim, Yeji; Bae, Byung-Cull; Cho, Jun-Dong
An eating speed guide system using a wristband and tabletop unit	2016	Proceedings of the 2016 ACM International Joint Conference on Pervasive and Ubiquitous Computing: Adjunct 121-124	Kim, Joohee; Lee, Mankyung; Lee, Kwang-Jae; Lee, TaeYang; Bae, Byung-Chull; Cho, Jun-Dong
Hide and seek: A LEGO village game for developing spatial ability of children	2016	Proceedings of the The 15th International Conference on Interaction Design and Children 408-413, Manchester, UK	Lee, TaeYang; Noh, Woori; Kim, Yeji; Cho, Jun Dong
Understanding Interactive Interface Design Requirements for the Visually Impaired	2015	CHI 2015, Seoul, Korea	Joongsin Park, Seungjai Jeon, Beomtaek Jeong, Sehyung Han, Jun-Dong Cho, JeongGil Ko
SnackBreaker: A Game Promoting Healthy Choice of Snack Foods	2015	In Proceedings of the 2015 Annual Symposium on Computer-Human Interaction in Play (pp. 673-678). ACM	Joongsin Park, Bon-chang Koo, Jundong Cho, Byung-Chull Bae
Efficient Hardware Implementation	2015	In Proceedings of the Journal of	Kim, J. H., Cho, J. D., Kim, J.

of Real-time Rectification using Adaptively Compressed LUT		Semiconductor Technology and Science. ACM.	K., Oh, J. K., Kang. S. M.
Effective Object Recognition based on CUDA	2015	In Proceedings of the 2015 ISOCC. ACM.	Kim, S. H., Cho, H. J., Yoon, W. J., Zhongyun., Cho, J. D.
Propose Smart Mirror and Washstand Model using the Theory of Nudge to Induce Right Handwashing which is Effective for Infectious Diseases Prevention	2015	<i>Proceedings of Korean Society of Design Science Conference</i>	Han, Se-Hyoung, & Cho, Jun-Dong
An IOT service design for self-screening of urine and feces	2015	<i>Proceedings of Korean Society of Design Science Conference</i>	Joi Yeong Rae, & Cho Jun Dong
Design a Remote Control and UX of Smart TV to Enhance Accessibility for Visually Impaired	2015	<i>Proceedings of Korean Society of Design Science Conference</i>	Jeong, Beom-Taek, & Cho, Jun-Dong
The Bus stop Bell Service Design for Intuitive Communication of the Bus stop Information	2015	<i>Proceedings of Korean Society of Design Science Conference</i>	Noh, Woo-Ri, Kim, Nock-Hwan, Lee, Tae-Yang, Cheon, Hye-lim, Yoo, Junwoo, & Cho, Jun-Dong
Proposal of vehicle HUD interface for the elderly driver	2015	<i>Proceedings of Korean Society of Design Science Conference</i>	Kim, Joo-Hee, & Cho, Jun-Dong
Tumbler design for increasing medicine compliance	2015	<i>Proceedings of Korean Society of Design Science Conference</i>	Park, Sang-hyeon, Lee, Ji-hoon, Park min-jae, Oh Jung kyun, & Cho, Jun-dong
Between US: Designing tactile wearable communicator	2015	<i>Proceedings of Korean Society of Design Science Conference</i>	Ban, So-Ryang, Hong, Jeong-Ki, Song, Seong-Hyun, & Cho, Jung-Dong
A study on the user-based scenario measurement tool for future model of IoT-based product	2015	<i>Proceedings of Korean Society of Design Science Conference</i>	Moon, Yoo-Jeong, Hong, Ju-Yeon, Shin, Ju-Young, & Cho, Jun-Dong
A Research on Visual Marking design for preventing Escalator Safety Accidents	2015	<i>Proceedings of Korean Society of Design Science Conference</i>	Park, Ki-Hyuk, Lee, Na-Hyun, & Cho, Jun-Dong
Design of a Smartphone Zoom	2015	<i>한Proceedings of Korean Society</i>	Ryu, Ji Hwan, Yoo, Junwoo, Park, Minjae, Lee, Jihoon,

Appcessory in the Shape of Magnifying Glass		<i>of Design Science Conference</i>	Kim, Nockhwan, Keum, Jeongho, & Cho, Jun Dong
-Pedestrian signal system improvements through the visualization of the safety distance	2015	<i>Proceedings of Korean Society of Design Science Conference</i>	Kim, Nock-Hwan, Ryu, Ji Hwan, Noh, Woo-Ri, Lee Tae-Yang, & Cho, Jun-Dong
A proposal for the model design of elevator interacts with user	2015	<i>Proceedings of Korean Society of Design Science Conference</i>	Lee, Tae Yang, Kim, Nockhwan, Noh, Woo-Ri, Yoo, Junwoo, & Cho, Jun-Dong
Interaction design of smart TV for kitchen - using Leap Motion	2015	<i>Proceedings of Korean Society of Design Science Conference</i>	Jang Do-young, Kim Ye-ji, Na-hyeon Lee, Cho Jun-dong
Scenario design of wearable device for relieving intermittent explosive disorder	2015	<i>Proceedings of Korean Society of Design Science Conference</i>	Park, Jun-Young, Lee, Ji-Hoon, Kim, Joon-Ho, Noh, Gee-Young, Song, sung-hyun, Koo, Bon-Chang, & Cho, Jun-Dong
Suggesting digital-framed type of application by which family can promote their communication	2015	<i>Proceedings of Korean Society of Design Science Conference</i>	Lee, Na-Hyeon, Kim, Ye-Ji, Jang, Do-Young, Cho, Jun-Dong, & Park, Su-e
User experience study of Big Data-based music curation service: Focusing on color data communication	2015	Korea Advertising and Public Relations Society Conference	Lee Man-kyung, Cho Jun-dong, Kim Tae-yang
Survival strategy of smart TV platform in the Internet of Things (IoT) era: Focusing on keywords through case analysis of smart TV platform	2015	Korea Advertising and Public Relations Society Conference	Cheon Hye-rim, Kim Tae-yang
Case study on user-centered fintech application for smart financial services	2015	Korea Advertising and Public Relations Society Conference	Lee Na-hyun, Cho Jun-dong, Kim Tae-yang
Development of I.O.T. based Patch Type Audio devices by which family	2015	<i>Proceedings of Korean Society of Design Science Conference</i>	Park, Ki-Hyuk, Ban, So-Ryang, & Cho, Jun-Dong

can promote their communication			
Deducting direction point through case study of user centered fintech application for smart finance service	2015	<i>Proceedings of Korean Society of Design Science Conference</i>	Lee, Na-Hyeon, Cho, Jun-Dong, & Kim, Tae-Yang
Adaptive Music Loudness Modification for Human Auditory Perception	2015	ITC-CSCC: International Technical Conference on Circuits Systems, Computers and Communications 857-860	Park, Jong-Rul; Cho, Jun Dong
On high-computational disparity acquisition of HD image using CUDA implementation for stereo matching	2015	2015 International SoC Design Conference (ISOCC) 155-156 IEEE	Cho, Hyeong-jun; Shim, Sang-kwon; Kim, Seung-ho; Kim, Jong-hak; Cho, Jun-dong
Simple object coordination tracking based on background modeling	2015	2015 Signal Processing: Algorithms, Architectures, Arrangements, and Applications (SPA)" 110-113 IEEE	Cho, Hyeong-Jun; Song, Sang-Hyeop; Kim, Jong-Hak; Cho, Jun Dong
WearLove: affective communication via wearable device with gamification	2015	Proceedings of the 2015 Annual Symposium on Computer-Human Interaction in Play 559-564	Joi, Yeong Rae; Jeong, Beom Taek; Kim, Jin Hwang; Park, Ki Hyuk; Lee, Taehyun; Cho, Jun Dong
People's emotional responses to a plant's emotional expression	2015	"Proceedings of the Ninth International Conference on Tangible, Embedded, and Embodied Interaction" 545-550	Cho, Jaewon; Park, Sanghoo; Jeon, Been; Bae, Byung-Chull; Cho, Jun-Dong
Smart maternity clothes for visualizing fetal movement data	2015	Proceedings of the 2015 ACM International Symposium on Wearable Computers 189-192, Osaka, Japan, October, 2015	Jeon, Been; Ryu, Ji Hwan; Cho, Jaewon; Bae, Byung-Chull; Cho, Jun-Dong
Cost analysis of integrated HIP-PMIPv6 handoff scheme in multicasting-based mobile networks	2015	Advanced Science Letters 21 3 321-327 American Scientific Publishers	Choi, Jae-Young; Cho, Younghwa; Lee, Taehyun; Cho, Jun-Dong; Jeong, Jongpil; Roh, Su-Sung; Kim, Hyung-Tae

Understanding women's needs in menopause for development of mhealth	2015	proceedings of the 2015 Workshop on Pervasive Wireless Healthcare 51-56, HangZhou, China, June, 2015	Lee, Mirim; Koo, Bon-chang; Jeong, Hee-seok; Park, Joongsin; Cho, Juhee; Cho, Jun-dong
BeuPo: a digital plant that you can raise and customize with your current posture	2015	Adjunct Proceedings of the 2015 ACM International Joint Conference on Pervasive and Ubiquitous Computing and Proceedings of the 2015 ACM International Symposium on Wearable Computers 1015-1020	Hong, Jeong-Ki; Koo, Bon-Chang; Ban, So-Ryang; Cho, Jun-Dong; Bianchi, Andrea
Experiment on Emotional Exchange Method through Phone Stack Game	2015	Proceedings of the 18th ACM Conference Companion on Computer Supported Cooperative Work & Social Computing 25-28, Vancouver, Canada, Mar. 2015	Park, Sanghoo; Jeon, Been; Cho, Jaewon; Bae, Byung-Chull; Cho, Jun-Dong
Design and evaluation of socially assistive robotics providing assistance for children through machine learning of languages	2015	Proceedings of the 14th International Conference on Interaction Design and Children 243-246, Boston, MA USA, June, 2015	Sanghoo, Park; Geeyoung, Noh; Jun-Dong, Cho
Global mobility management scheme for seamless mobile multicasting service support in PMIPv6 networks	2015	KSII Transactions on Internet and Information Systems (TIIS) 9 2 637-658	Song, Myungseok; Cho, Jun-Dong; Jeong, Jong-pil
Automatically adjusting the speed of e-learning videos	2015	Proceedings of the 33rd Annual ACM Conference Extended Abstracts on Human Factors in Computing Systems 1451-1456, Seoul, Korea, Apr. 2015	Song, Sunghyun; Hong, Jeong-ki; Oakley, Ian; Cho, Jun Dong; Bianchi, Andrea

Preliminary guidelines to build a wearable health monitoring system for patients: Focusing on a wearable device with a wig	2015	International Conference on Human-Computer Interaction 361-365 "Springer, Cham", Los Angeles, CA, USA, August, 2015	Yoo, Junwoo; Kim, Nockhwan; Keum, Jeongho; Ryu, Ji Hwan; Park, Minjae; Lee, Jihoon; Bae, Byung-Chull; Cho, Jundong
Design Guideline on Location Based User Emotion Sharing Map Service	2015	International Conference on Human-Computer Interaction 514-518 "Springer, Cham", Los Angeles, CA, USA, August, 2015	Noh, GeeYoung; Jeong, DongNyeok; Park, Sangsun; Cho, Jundong
Robust-rotation recognition based on contour matching using CUDA in automation system	2015	2015 International Symposium on Consumer Electronics (ISCE) IEEE	Sim, SangKwon; Kim, Jong-hak; Yuan, Zhongyun; Kang, Seong-muk; Cho, Jun-dong
Fast rotation-invariant template matching with candidate reduction using CUDA	2015	2015 International Symposium on Consumer Electronics (ISCE) IEEE	Kim, Seung-ho; Song, Sang-hyeob; Kim, Jong-hak; Yuan, Zhongyun; Cho, Jun-dong;
Optimization of authentication cost based on key caching for inter-MME handover support	2015	International Information Institute (Tokyo). Information 183 1095	Song, Myungseok; Cho, Jun-Dong; Jeong, Jongpil
Multicasting service for Inter-Domain mobility management scheme in sensor-based PMIPv6	2015	International Information Institute (Tokyo). Information 183 1073	Song, Myungseok; Cho, Jun-Dong; Jeong, Jongpil
Hot & tight: exploring thermo and squeeze cues recognition on wrist wearables	2015	Proceedings of the 2015 ACM International Symposium on Wearable Computers 39-42, Osaka, Japan, October, 2015	Song, Sunghyun; Noh, Geeyoung; Yoo, Junwoo; Oakley, Ian; Cho, Jundong; Bianchi, Andrea
Exergame development using body composition data for obesity care	2015	Proceedings of the 2015 Annual Symposium on Computer-Human Interaction in Play 577-582	Keum, Jeongho; Ryu, Ji Hwan; Moon, Yoo Jeong; Cheon, Hyerim; Lee, Nahyeon; Bae, Byung-Chull; Cho, Jun-Dong
Random-walk mobility management scheme for sensor-based mobile networks	2015	International Journal of Security and Networks 10 4 261-270 Inderscience Publishers (IEL)	Song, Myungseok; Cho, Jun-Dong; Jeong, Jongpil

Designing mHealth intervention for women in menopausal period	2015	2015 9th International Conference on Pervasive Computing Technologies for Healthcare (PervasiveHealth) 257-260 IEEE,Istanbul, Turkey, May, 2015	Lee, Mirim; Koo, Bon-chang; Jeong, Hee-seok; Park, Joongsing; Cho, Juhee; Cho, Jundong
Predicting visual fatigue in 3D image viewing by adjusting the baseline positioning	2015	2015 Signal Processing: Algorithms, Architectures, Arrangements, and Applications (SPA)" 114-118 IEEE	Kang, Sung-muk; Cho, Hyeong-jun; Kim, Seung-ho; Kim, Jong-hak; Cho, Jun-dong
Effective object recognition based on CUDA	2015	2015 International SoC Design Conference (ISOCC) 159-160 2015 IEEE	Kim, Seung-ho; Cho, Hyeong-jun; Yoon, Won-jong; Yuan, Zhongyun; Cho, Jun-dong
A real-time rectification using an adaptive binary encoding for high-resolution video	2015	2015 17th International Conference on Advanced Communication Technology (ICACT) 557-561 IEEE	Kim, Jong-hak; Oh, Jung-kyun; Kang, Seong-muk; Cho, Jun-dong
Better posture awareness through flower-shaped ambient avatar	2015	Proceedings of the ninth international conference on tangible, embedded, and embodied interaction 337-340,Stanford University, CA, Jan. 2015	Hong, Jeong-ki; Song, Sunghyun; Cho, Jundong; Bianchi, Andrea
Analytical Approach of New Random-walk Based Mobility Management Scheme in IP-based Mobile Networks	2014	International Journal of Advanced Culture Technology 2 The International Promotion Agency of Culture Technology,01월 13일	Song, Myungseok; Cho, Jun-Dong; Jeong, Jongpil
UX/UI Intranet Measurement of Vertically-Organized Companies	2014	The Seventh International Conference on Advances in Human-oriented and Personalized Mechanisms, Technologies, and Services, CENTRIC 2014, Oct. 12 - 16, 2014 - Nice, France	Hayoung Bang, DongNyeok Jeong, Jundong Cho

A Study on Design of Wearable Healthcare Device for Elders who Live Alone focused on Inclusive Design	2014	<i>Proceedings of Korean Society of Design Science Conference</i>	Lee, Jong-Sun, Park, Jae - Beom, & Cho, Jun-Dong
Gesture based Interface for learning environment by using Leap Motion	2014	Proceedings of HCI Korea	Bonchang Koo, Joonho Kim, & Jundong Cho
Guidelines for a Baby's Nutrition Monitoring System	2014	Proceedings of HCI Korea	Giyong Noh, Juyoung Shin, Jundong Cho, Andrea Bianchi
Development of quadcopter drone for safety guide service at night	2014	Proceedings of HCI Korea	Hayoung Bang, Nockhwan Kim, Jeongho Keum, Sanghyeon Park, & Jundong Cho
Visual Feedback System Design for Gait Management	2014	Proceedings of HCI Korea	JuYoung Shin, HyeYeon Lee, SeongYeon Kim, ByungChull Bae, & JunDong Cho
A Study on Effectiveness of Auditory Recognition of Vibration Signal	2014	Proceedings of HCI Korea	Ryu, Ji Hwan and Kim, Nockhwan and Park, Minjae and Keum, Jeongho and Yoo, Junwoo and Cho, Jun Dong
Analysis of user experience using the social network(SNA) - View from the data in debit cards and partnerships	2014	Proceedings of HCI Korea	Jeong, Hee-Seok, & Cho, Jun-Dong
Interactive real-time class participation system based on Flip gesture	2014	Proceedings of HCI Korea	Joongsin Park, & Jundong Cho
Proposal of Service Design for Smart Medical Band type of Wearable Device	2014	<i>Proceedings of Korean Society of Design Science Conference</i>	Kim, Joon-Ho, Eom, Jung-Hoon, Koo, Bon-Chang, Park, Jun-Young, & Cho, Jun-Dong
Scenario design of IoT-based device for Interactive Smart Infant-care	2014	<i>Proceedings of Korean Society of Design Science Conference</i>	Park, Jun-Young, Koo, Bon-Chang, Kim, Joon-Ho, & Cho, Jun-Dong

Design of Mobile Application for Smart Order Solution based on NFC	2014	<i>Proceedings of Korean Society of Design Science Conference</i>	Jeon, Been, Park, Sang-hoo, Cho, Jae-Won, & Cho, Jun-Dong
Research for vehicle cluster customizing : Focused on workload and selective attention	2014	Proceedings of HCI Korea	Sanghyeon Park, Hayoung Bang, & Jundong Cho
Funnel News Real - Time Interactive News Service App Design Using Metaphor Interface and Gamification	2014	<i>Proceedings of Korean Society of Design Science Conference</i>	Han Se-Hyoung, Bae Byung-Chull, & Cho Jun-Dong(
Virtual Reality Device (HMD) in the Form of Portable Foldable Cellular Phone Case.	2014	<i>Proceedings of Korean Society of Design Science Conference</i>	Park, Sang-Hoo, Jeon, Been, Cho, Jae-Won, Shin, Ju-Young, Cho, Jun-Dong, & Bae, Byung-Chull
A Smart Healthcare Salinity Meter Design for User	2014	<i>Proceedings of Korean Society of Design Science Conference</i>	Jeong, Hee-Seok, Kim, Yeong-Yun, Lim, Jae-Young, Lee, Yong-Jun, Lee, Hyo-Geon, & Cho, Jun-Dong
Impact on the Environment of Industrial Design with Wireless Charging Technology considering the Environment of Internet of Things	2014	<i>Proceedings of Korean Society of Design Science Conference</i>	Park, Sang-Hoo, Shin, Ju-Young, & Cho, Jun-Dong
A sustainable cup holder design with eco friendly material for Green Consumer	2014	<i>Proceedings of Korean Society of Design Science Conference</i>	Lee, Hye-Yeon, Noh, Gee-Young, Shin, Ju-Young, Lee, Jong-Sun, & Cho, Jun-Dong
User Interface Design Suitable for Acceptance of Information on Digital Signage for Mobile Device	2014	<i>Proceedings of Korean Society of Design Science Conference</i>	Koo, Bon-Chang, Kim, Joon-Ho, Park, Jun-Young, Park, Joong-Sin, & Cho, Jun-Dong
A Study on UI analysis and redesign to induce Saving Energy at Office in Energy Efficiency Display	2014	<i>Proceedings of Korean Society of Design Science Conference</i>	Lee Ji Hoon, Song Seung Hyun, Park Min Jae, Lee Jong Sun, & Cho Jun Dong
A Study of Factors Affecting	2014	<i>Proceedings of Korean Society</i>	Yoon Yu-jeong, Cho Jun-

Choosing Smiley Emoticons or Sticon		<i>of Design Science Conference</i>	dong, Siam Thunder
Visual attention of transparent display while using the elasticity material controller	2014	<i>Proceedings of Korean Society of Design Science Conference</i>	Bang Ha-young, Cho Jun-dong
Low Cost, Small sized ESS reusing used smartphone batteries	2014	<i>Proceedings of Korean Society of Design Science Conference</i>	Kim Hye-rim, Kang Jae-gu, Kim Bo-min, Ji Ji-jun, Lee Ji-yeon, Cho Joon-dong
On-line Flea Market Service using Social Network	2014	<i>Proceedings of Korean Society of Design Science Conference</i>	Lee Yeon-woo, Yang Jang-yeop, Joo-young Lee, Jun-woo Kwon, Hye-rim Kim, Jun-dong Cho
LED tile to indicate a break-in - Tiren(Tile+Siren)	2014	<i>Proceedings of Korean Society of Design Science Conference</i>	Han Dok, Jeon Seong-deok, Kim Young-il, Cho Jun-dong
Crystal Ball, the application for keeping your stuff by using RFID and AR,	2014	<i>Proceedings of Korean Society of Design Science Conference</i>	Seo Hye-mi, Jang Jin-sook, Choi Bo-rak, Choi Hye-jeong, Cho Jun-dong
Automatic Chest Compression AED+CPR - Heart On	2014	<i>Proceedings of Korean Society of Design Science Conference</i>	Byeong-Jun Kim, Jong-Kwon Kim, Seon-Hwa Lee, Woo-Sung Lee, Joo-Il Han, Jun-Dong Cho
A study on the human emotion infer in meaningful place using HRV signal and text mapping	2014	Proceedings of HCI Korea	Sangsun Park, Dongnyeok Jeung, Geeyoung Noh, & Jundong Cho
Bus Safety Seat for Infant and Baby - Re-seat	2014	<i>Proceedings of Korean Society of Design Science Conference</i>	Shin Kyung-soo, Yang Min-seok, Cho Jun-dong
Wireless Mouse with Temperature Sensor using Litium Polymer Battery Receiver	2014	<i>Proceedings of Korean Society of Design Science Conference</i>	Lee Jun-gyu, Lee So-eun, Cho Sun-kyung, Cho Jun-dong
IT Smart Wondow	2014	<i>Proceedings of Korean Society of Design Science Conference</i>	Gaemoon Lee, Jundong Cho
Analysis of Interaction design for wearable activity tracker focused on emboddied cognition aspects	2014	<i>Proceedings of Korean Society of Design Science Conference</i>	Jeong Dong-nyeon, Heo Jeong-moon, Kim Jin-song, Kwai Ji-ling, Chang Yong, Cho Jun-dong

The Usability of the Smartphone Camera Interface by Using One Hand	2014	Proceedings of HCI Korea	Sunghyun Song, Jihoon Lee, Minjae Park, Jungkyun Oh, & Jun-dong Cho
An environment for the health of the eye through the M2M service with eye blink measurement program and the humidifier	2014	Proceedings of HCI Korea, 679-681,	Hyeyoun Lee, Minjae Park, Sunghyun Song, & Jundong Cho
Fast depth evaluation from pattern projection in conjunction with connected component labeling	2014	The 18th IEEE International Symposium on Consumer Electronics (ISCE 2014) IEEE	Park, Jong-Rul; Cho, Jun-Dong
Secure SIP-based Mobility Management Scheme for Cost-Optimized NEMO Environments	2014	The International Conference on Digital Information, Networking, and Wireless Communications (DINWC)" 24	Cho, Chulhee; Choi, Jae-Young; Cho, Jun-Dong; Jeong, Jongpil
Smart maternity wear (lily kickee) a wearable device sensing and visualizing fetal movements	2014	Proceedings of HCI Korea 412-418	Been, Jeon; Sanghoo, Park; Jaewon, Cho; Byung-chull, Bae; Jun-dong, Cho
Cost-Optimized Location and Service Management Scheme for Next-Generation Mobile Networks	2014	UBICOMM 2014-8th International Conference on Mobile Ubiquitous Computing, Systems, Services and Technologies 93-98	Cho, Chulhee; Cho, Jun-Dong; Jeong, Jongpil
Analytical approach of cost-effective and secure SIP-based mobility management scheme for NEMO environments	2014	International Journal of Digital Information and Wireless Communications 4 4 458-474	Cho, Chulhee; Choi, Jae-Young; Cho, Jun-Dong; Jeong, Jongpil
Mobile platform for propagating a culture of donation.	2014	<i>KSDS Conference Proceedings</i>	Kim Yonghwan, Cha Jeongik, Yoon Sohyeon, Park SuA, Park Ha-eun, Cho Jundong, & Jung Jisuk
A real-time rectification using an adaptive differential encoding for high-resolution video	2014	16th International Conference on Advanced Communication Technology 666-670 IEEE	Kim, Jong-hak; Oh, Jung-kyun; Kang, Seong-muk; Cho, Jun-dong

On mathematical modeling of hierarchical mobility management protocols	2014	2014 Fourth International Conference on Digital Information and Communication Technology and its Applications (DICTAP) 75-80 IEEE	Song, Myungseok; Cho, Jun-dong; Jeong, Jongpil
Adjustment of brightness contrast for fatigue decrease in stereo image production	2014	The 18th IEEE International Symposium on Consumer Electronics (ISCE 2014) IEEE	Oh, Jungkyun; Kim, Jong-hak; Yuan, Zhongyun; Cho, Jun-dong
A fast region expansion labeling of connected components in binary image	2014	The 18th IEEE International Symposium on Consumer Electronics (ISCE 2014) IEEE	Kang, Sung-muk; Kim, Jong-hak; Yuan, Zhongyun; Song, Sang-hyeob; Cho, Jun-dong
Connections between Music and Spatial Behaviors: Focusing on Embodied Cognitive Perspectives	2014	Advanced Science and Technology Letters (HCI 2014) 54 91-94	Yi, Wooyong; Jeong, Dongnyeok; Cho, Jun-dong
Reduction of authentication cost based on key caching for inter-MME handover support	2014	2014 International Conference on High Performance Computing & Simulation (HPCS) 885-892 IEEE	Song, Myungseok; Choi, Jae-Young; Cho, Jun-dong; Jeong, Jongpil; Song, Byung-hun; Lee, Hyungsu
Smart Wig for Patient with Chemotherapy Induced Alopecia : Emphasis on Fall Detection and Emergency Alert	2014	Proceedings of HCI Korea, 246-252 [Best Paper Award]	Nockhwan Kim, Ji Hwan Ryu, Minjae Park, Jeongho Keum, Junwoo Yoo, Jihoon Lee, & Jun Dong Cho
Fuzzy logic based handoff scheme for heterogeneous vehicular mobile networks	2014	2014 International Conference on High Performance Computing & Simulation (HPCS) 863-870 IEEE	Kim, Joonho; Cho, Jun-Dong; Jeong, Jongpil; Choi, Jae-Young; Song, Byung-hun; Lee, Hyungsu
Music perception as embodied cognition: behavioral evidence of auditory cue effect	2014	Contemporary Engineering Sciences 7 23 1215-1223	Yi, Wooyong; Jeong, Dongnyeok; Cho, Jun-dong
Depth Evaluation from Pattern Projection Optimized for Automated Electronics Assembling	2014	IEIE Transactions on Smart Processing and Computing 3 4 195-204	Park, Jong-Rul; Cho, Jun Dong

Robots			
Analytical Modeling of IP-based Hierarchical Mobility Management Protocols	2014	2014 Eighth International Conference on Innovative Mobile and Internet Services in Ubiquitous Computing 166-171 IEEE	Cho, Chulhee; Cho, Jun-Dong; Jeong, Jongpil
On security-effective and global mobility management for FPMIPv6 networks 2014	2014	Eighth International Conference on Innovative Mobile and Internet Services in Ubiquitous Computing 247-253 IEEE	Chai, Hyun Suk; Cho, Jun Dong; Jeong, Jongpil
Cost-effective proxy-LMA mobility management scheme in mobile networks with global mobility support	2014	Eighth International Conference on Innovative Mobile and Internet Services in Ubiquitous Computing 121-127 IEEE	Cho, Chulhee; Cho, Jun-Dong; Jeong, Jongpil
Seamless SPMIPv6-Based Handoff Scheme for Next-Generation Mobile Networks	2014	Eighth International Conference on Innovative Mobile and Internet Services in Ubiquitous Computing 159-165 2014 IEEE	Cho, Chulhee; Cho, Jun-Dong; Jeong, Jongpil
Applications of auditory cues for spatial cognitive behaviors based on embodied music cognition	2014	Proceedings of HCI Korea, 58-62	Jeong, Dongnyeok; Yi, Wooyong; Cho, Jun-dong
Any Meeting: Mobile Application System for investigating students' engagement	2014	Proceedings of HCI Korea, 88-9	Park, Minjae; Cho, Jundong
Guidelines for a Baby's Nutrition Monitoring System	2014	Proceedings of HCI Korea, 92-97	Noh, Geeyoung; Shin, Jooyoung; Cho, Jundong; Bianchi, Andrea
A study on the human emotion infer in meaningful place using HRV signal and text mapping	2014	Proceedings of HCI Korea, 253-260	Park, Sangsun; Jeung, Dongnyeok; Noh, Geeyoung; Cho, Jundong
Smart wig for patient with chemotherapy induced alopecia: emphasis on fall detection and	2014	Proceedings of HCI Korea, 246-252	Kim, Nockhwan; Ryu, Ji Hwan; Park, Minjae; Keum, Jeongho; Yoo, Junwoo; Lee, Jihoon;

emergency alert			Cho, Jun Dong
A Study on Effectiveness of Auditory Recognition of Vibration Signal	2014	Proceedings of HCI Korea, 419-424	Ji Hwan Ryu, Nockhwan Kim, Minjae Park, Jeongho Keum, Junwoo Yoo, & Jun Dong Cho
The Usability of the Smartphone Camera Interface by Using One Hand	2014	Proceedings of HCI Korea, 89-92	Sunghyun Song, Jihoon Lee, Minjae Park, Jungkyun Oh, & Jun-dong Cho
An efficient copy-back operation scheme using dedicated flash memory controller in solid-state disks	2014	Proc. of the International Journal of Electrical Energy 2 1	Chang, W; Lim, Y; Cho, J
Ring Projection Transforms by using CUDA implementation for recognizing objects in automation system	2014	2014 International SoC Design Conference (ISOCC) 188-189 IEEE	Song, Sang-hyeob; Kang, Seong-muk; Cho, Hyeong-jun; Cho, Jun-dong
Analysis of Ground Bit-line Pre-charge Scheme Used in Low Power DRAM	2014	Proceedings of Korea Society of Industrial Information Systems Conference, 30-31	Noh, Kyong Jun; Kim, Jung Han; Cho, Jun Dong
Logmusic: context-based social music recommendation service on mobile device	2014	Proceedings of the 2014 ACM international joint conference on pervasive and ubiquitous computing: adjunct publication 95-98	Lee, Mirim; Cho, Jun-Dong; "
A review on system level low power techniques	2014	2014 International SoC Design Conference (ISOCC) 183-185 IEEE	Tong, Qiaing; Choi, Ken; Cho, Jun Dong
A Study on " Interdisciplinary Convergence Capstone Design" Course	2014	<i>Proceedings of Korean Society of Design Science Conference</i> , 26-27	Jun Dong Cho, Kyoung Hyeon Lee, & Ji Sook
Noise immunity improvement in the RESET signal of DDR3 SDRAM memory module	2013	2013 IEEE International SOC Conference 343-348 IEEE	Jung, Seung Mo; Seok, Jong Hyun; Yoo, Ho Jin; Kim, Do Hyung; Han, You Keun; Kim,

			Woo Seop; Choi, Joo Sun; Cho, Jun Dong
A new dual asymmetric bit-line sense amplifier for low-voltage dynamic random access memory	2013	IEICE Electronics Express (2013): 10-20130647.	Noh, Kyong Jun, Jung Han Kim, Cheol Ha Lee, and Jun Dong Cho
Design of Mobile Application for Smart Order Solution based on NFC.	2013	KSDS Conference Proceeding	Jeon, Been, Park, Sang-hoo, Cho, Jae-Won, & Cho, Jun-Dong
A new dual asymmetric bit-line sense amplifier for low-voltage dynamic random access memory	2013	IEICE Electronics Express 0.20130647	Noh, Kyong Jun; Kim, Jung Han; Lee, Cheol Ha; Cho, Jun Dong
Visual fatigue measurement model in stereoscopy based on bayesian network	2013	Optical Engineering 52 8 83110 SPIE	Yuan, Zhongyun; Kim, Jong Hak; Cho, Jun Dong
Adaptive sampling for ECG detection based on compression dictionary	2013	JSTS: Journal of Semiconductor Technology and Science 13 6 608-616	Yuan, Zhongyun; Kim, Jong Hak; Cho, Jun Dong
Redundant-dictionary based adaptive sampling for transient ECG signal measurement	2012	International SoC Design Conference (ISOCC) 84-87 2012 IEEE	Yuan, Zhongyun; Cho, Jun Dong
Neuromorphic Architecture and CAD research trends - reverse engineering of the brain	2012	The Magazine of the IEIE, 39(9), 70-81.	Cho, Jun Dong
3D Video Communication: Algorithms, concepts and real-time systems in human centered communication	2012	IEICE transactions on information and systems 95 5 1238-1247	KIM, Jae Gon; CHO, Jun-Dong
A search range prediction for fast stereo matching in 3-D video	2012	2012 International Conference on ICT Convergence (ICTC) 809-810 IEEE	Kim, Yong Han; Kim, Jong Hak; Lee, Dong Hun; Heo, Jun Hoe; Cho, Jun Dong
Real-time digital image stabilization using motion sensors for search range reduction	2012	International SoC Design Conference (ISOCC) 363-366 2012 IEEE	Heo, Jun Hoe; Kim, Jong Hak; Lee, Dong Hun; Kim, Yong Han; Cho, Jun Dong

Optimizing a virtual re-convergence system to reduce visual fatigue in stereoscopic camera	2012	IEICE TRANSACTIONS on Information and Systems 95 5 1238-1247	Kim, Jae Gon; Cho, Jun-Dong
Fast disparity estimation with iterative search range for real-time 3D vision	2012	ITC-CSCC2012	Lee, Dong Hun; Park, Chan Oh; Heo, Jun Hoe; Kim, Yong Han; Cho, Jun Dong; "
A real-time virtual re-convergence hardware platform	2012	JSTS: Journal of Semiconductor Technology and Science 12 2 127-138	Kim, Jae-Gon; Kim, Jong-Hak; Ham, Hun-Ho; Kim, Jueng-Hun; Park, Chan-Oh; Park, Soon-Suk; Cho, Jun-Dong
A real-time compact structured-light based range sensing system	2012	JSTS: Journal of Semiconductor Technology and Science 12 2 193-202	Hong, Byung-Joo; Park, Chan-Oh; Seo, Nam-Seok; Cho, Jun-Dong;
Dynamic search range using sparse disparity map for fast stereo matching	2012	IEEE International Symposium on Broadband Multimedia Systems and Broadcasting IEEE	Park, Chan-Oh; Heo, Jun-Hoe; Lee, Dong-Hun; Cho, Jun Dong
Low visual fatigue stereoscopic auto focus using disparity map	2012	IEEE international Symposium on Broadband Multimedia Systems and Broadcasting IEEE	Park, Chan-Oh; Kim, Yong-Han; Kim, Jong-Hak; Cho, Jun Dong
The New Design Methodology Considering Transistor Layout Variation	2012	Journal of the Institute of Electronics and Information Engineers 49 12 234-241	Doh, Ji Seong; Cho, Jun Dong
Radio-frequency system of the KIRAMS-30 cyclotron for RI mass production	2012	Journal of the Korean Physical Society 61 2 193-196 The Korean Physical Society	Jung, In Su; Park, Yeunsoo; Kang, JoonSun; Kang, Gun Uk; An, Dong Hyun; Hahn, Garam; Hong, Bong Hwan; Hur, Min Goo; Cho, Jun Dong; Kim, Moon-Hyun
The New Design Methodology Considering Transistor Layout Variation	2012	Journal of the Institute of Electronics Engineers of Korea , 49 12 234-241	Do Ji-seong; Cho Jun-dong
Processor Power Simulator for Low Power Code Generation	2011	Annual Conference of IEIE, 158-162	Hun-Ho Ham, Jong-Hak Kim, Chan-Oh Park, & Jun-Dong

			Cho
Real time rectification using differentially encoded lookup table	2011	Proceedings of the 5th International Conference on Ubiquitous Information Management and Communication	Park, Deuk Hyun; Ko, Hyoung Seok; Kim, Jae Gon; Cho, Jun Dong
Measurement of Level of Stereoscopic Visual Fatigue for User Discomfort Improvement	2011	Annual conference of IEIE, 234-238	Kim Jong-hak; Kim Jung Hoon; Ham Heon-ho; Cho Jun-dong
Measurement of Level of Stereoscopic Visual Fatigue for User Discomfort Improvement	2011	Journal of the Institute of Electronics Engineers of Korea SD 48 10 20-24	"Kim, Jong-Hak; Kim, Jueng-Hun; Ham, Hun-Ho; Cho, Jun-Dong; "
Low Power Bus Binding Based on Dynamic Bit Reordering	2011	International Journal of Electrical and Computer Engineering 5 1 62-67	Kim, Jihyung; Kim, Taejin; Park, Sungho; Cho, Jun-Dong
Measurement of Level of Stereoscopic Visual Fatigue for User Discomfort Improvement.	2011	The Institute of Electronics Engineers of Korea - Semiconductor and Devices, 48(10)	Jong-hak Kim, Jueng-hun Kim, Hun-ho Ham, & Jun-dong Cho
A real-time 3D image refinement using two-line buffers	2011	13th International Conference on Advanced Communication Technology (ICACT2011) 778-781 IEEE	Kim, Jong-hak; Cho, Jun-dong
Real-time smoothing filter for three dimensional disparity map algorithm and hardware implementation	2011	2011 IEEE 54th International Midwest Symposium on Circuits and Systems (MWSCAS) IEEE, 01월 04일	Kim, Jueng Hun Kim, Kim, Jong Hak; Ham, Hun Ho; Cho, Jun Dong
Low power bus binding exploiting optimal substructure	2011	IEICE transactions on fundamentals of electronics, communications and computer sciences" 94 1 332-341	Kim, Ji-Hyung; Cho, Jun-Dong
New Design Based Metrology for Fast Detection of Crucial Lithographic Defects	2011	Japanese Journal of Applied Physics 50 6S 06GB11 IOP Publishing	Hur, Duck-Hyung; Kim, Tae-Heon; Park, Chul-Hong; Lee, Sang-Hoon; Yoo, Moon-Hyun; Cho, Jun-Dong

Noise reduction scheme of temporal and spatial filter for 3D video real-time processing	2011	2011 International SoC Design Conference 420-423IEEE	Ham, Hun Ho; Kim, Jong Hak; Park, Chan-oh; Kim, Yong Han; Cho, Jun Dong
Simplified relative model to measure visual fatigue in a stereoscopy	2011	"IEICE TRANSACTIONS on Fundamentals of Electronics, Communications and Computer Sciences" 94 12 2830-2831	"Kim, Jae Gon; Cho, Jun-Dong; "
Hardware implementation for census 3D disparity map with dynamic search range estimation	2011	Signal Processing Algorithms, Architectures, Arrangements, and Applications SPA 2011, IEEE	Kim, Jueng Hun; Park, Chan Oh; Kim, Jong Hak; Cho, Jun Dong
A real-time 3D disparity-map acquisition hardware architecture for a multi-sliding-window-operation	2011	Signal Processing Algorithms, Architectures, Arrangements, and Applications SPA 2011, IEEE	Kim, Jong Hak; Park, Chan Oh; Kim, Jueng Hun; Cho, Jun Dong
Extended Low Power Bus Binding Combined with Data Sequence Reordering	2011	International Journal of Electrical and Computer Engineering 5 12 1616-1621	Kim, Jihyung; Kim, Taejin; Park, Sungho; Cho, Jun-Dong
Dynamic Bus Binding for Low Power Using Multiple Binding Tables	2011	International Journal of Electronics and Communication Engineering 5 7 809-814	Kim, Jihyung; Kim, Taejin; Park, Sungho; Cho, Jun-Dong
Processor power simulator for low power code generation using look up table	2011	2011 6th International Conference on Computer Sciences and Convergence Information Technology (ICCIT) 550-553 IEEE	Ham, Hun-ho; Park, Chan-oh; Kim, Jong-hak; Kim, Jueng-hun; Cho, Jun-dong
Hardware implementation for realtime census 3d disparity map using dynamic search range	2011	Software practice advancement conference	Kim, J; Park, C; Cho, J
A reconfigurable pipelined Deblocking filter for H. 264/AVC	2010	2010 Digest of Technical Papers International Conference on Consumer Electronics (ICCE) 403-404 IEEE	Hwang, Jin-Woo; Cho, Jun-Dong
A High-performance Direct 2-D Multi-transform Architecture for	2010	Proceedings of Symposium of the Korean Institute of	Ko Hyoung Seok, Kim Jae Gon, Kim Yong Jun, Park

MPEG-4 AVC/H.264		communications and Information Sciences, 722-723	Deuk Hyun, & Cho Jun Dong
Thermal Via Placement in 3D IC Interposer	2010	ICEIC: International Conference on Electronics, Informations and Communications" 365-368	Chun, Jaeik; Cho, Jun Dong
Suppression of Edge Effects Based on Analytic Model for Leakage Current Reduction of Sub-40 nm DRAM Device	2010	IEICE transactions on electronics 93 5 658-661	Choi, Soo Han; Park, Young Hee; Park, Chul Hong; Lee, Sang Hoon; Yoo, Moon Hyun; Cho, Jun Dong; Kim, Gyu Tae
High-Performance 2-D 8x8 Forward Integer Transform Architectures for H. 264/AVC High-Profile Coders	2010	ICEIC: International Conference on Electronics, Informations and Communications 548-551	Ko, Hyoung-Seok; Cho, Jun-Dong
Temperature-aware binding for clock skew reduction based on switching activity balancing	2010	3rd International Conference on Advanced Computer Theory and Engineering (ICACTE) 1 V1-138-V1-143 IEEE	Kim, Jihyung; Kim, Taejin; Park, Sungho; Cho, Jun-Dong
Low Power Binding for Switching Activity Reduction Based on Table Decomposition Method	2010	2010 Second International Conference on Computer Engineering and Applications 181-185 IEEE	Kim, Jihyung; Yoon, Byeongwhae; Park, Sungho; Cho, Jundong
Development of a Beam Buncher for the KIRAMS-30 Cyclotron	2010	Journal of the Korean Physical Society 56 6 1960-1963 Korean Physical Society	Jung, In Su; Kang, Gun Uk; An, Dong Hyun; Hahn, Garam; Kang, Joon Sun; Hwan, Bong; Hong, Hong Suk Chang; Yim, Hee Joong; Kim, Geun-Beom; Park, Yeunsoo
Huffman user interface for full touch screen based mobile phones	2010	The 12th International Conference on Advanced Communication Technology (ICACT) 2 1021-1026 IEEE	Kim, Jae Gon; Cho, Jun-Dong
Accurate Systematic Hot-Spot Scoring Method and Score-Based Fixing Guidance Generation	2009	IEICE transactions on fundamentals of electronics, communications and computer sciences" 92 12 3082-3085	Park, Yonghee; Choi, Junghoe; Hong, Jisuk; Lee, Sanghoon; Yoo, Moonhyun; Cho, Jundong

Switch Architecture and Routing Optimization Strategy Using Optical Interconnects for Network-on-Chip	2009	Journal of the Institute of Electronics Engineers of Korea SD 46 9 25-32	Kwon, Soon-Tae; Cho, Jun-Dong; Han, Tae-Hee
Score-based fixing guidance generation with accurate hot-spot detection method Design for Manufacturability through Design-Process	2009	Integration III 7275 188-193 SPIE	Park, Yong-Hee; Kim, Dong-Hyun; Choi, Jung-Hoe; Hong, Ji-Suk; Park, Chul-Hong; Lee, Sang-Hoon; Yoo, Moon-Hyun; Cho, Jun-Dong
Development of T-DMB Multimedia Player in an ARM Core Based System	2009	Proceedings of Korean Society of Design Science Conference, 1293-1294	Park, Je-Ho; Kim, Jae Gon; Cho, Jun-Dong;
Superimposed Boundary Strength Matrix Method for Decision Process of In-Loop Deblocking Filter	2009	Proceedings: APSIPA ASC 2009: Asia-Pacific Signal and Information Processing Association, 2009 Annual Summit and Conference" 845-848	Kim, Jae Gon; Hwang, Jin Woo; Cho, Jun-Dong
Implementation of a LED display system for high quality video processing	2009	2009 International SoC Design Conference (ISOCC) 552-555 IEEE	Kim, Yong-Jun; Hong, Byung-Joo; Cho, Jun-Dong
Implementation of Accurate Peak Detection with Flexible Parameters for Implantable Cardioverter Defibrillator	2009	ITC-CSCC: International Technical Conference on Circuits Systems, Computers and Communications" 480-483	Jin, Duk Yang; Cho, Jun Dong
Switch Architecture and Routing Optimization Strategy Using Optical Interconnects for Network-on-Chip	2009	Journal of the Institute of Electronics Engineers of Korea SD 46 9 25-32	Soon-Tae Kwon; Cho Jun-dong; Taehee Han
Partial resolution for redundant operation table	2008	Microprocessors and Microsystems 32 2 79-94 Elsevier	Choi, Byung-Soo; Cho, Jun-Dong
Ultra-high density standard cell library using multi-height cell structure	2008	Smart Structures, Devices, and Systems IV" 7268 70-77 SPIE	Baek, Sang-Hoon; Kim, Ha-Young; Lee, Young-Keun; Jin, Duck-Yang; Park, Se-Chang; Cho, Jun-Dong

The Compensation system for the event in the fuel cell mobile phone	2008	International SoC Design Conference 2 II-134-II-137 IEEE	Shin, Chung-Ho; Cho, Jun-Dong
A Scalable Skipping of Deblocking Filter for H. 264/AVC Baseline Profile	2008	"ICEIC: International Conference on Electronics, Informations and Communications" 1055-1058	Kim, Jae Gon; Hwang, Jin Woo; Lee, Sang Won; Cho, Jun-Dong
A Scalable Pattern Omission Method of Deblocking Filter for H. 264/AVC Baseline Profile	2008	ITC-CSCC: International Technical Conference on Circuits Systems, Computers and Communications" 1589-1592	Kim, Jae Gon; Hwang, Jin Woo; Cho, Jun-Dong
A Superimposed BS Matrix Method of Deblocking Filter for H. 264/AVC Baseline Profile	2008	ICEIC: International Conference on Electronics, Informations and Communications, 1063-1066	Hwang, Jin Woo; Kim, Jae Gon; Lee, Sang Won; Cho, Jun-Dong
Power Electronics System Design and Checklist for Cellular Phone	2008	Proceedings of the KIPE Conference 345-347 The Korean Institute of Power Electronics	Shin, Chung-Ho; Cho, Jun-Dong
High speed 3D acquisition chip design for robot applications	2008	2008 International SoC Design Conference 3 III-31-III-32 IEEE	Hong, Byung-Joo; Lee, Seung-Hoon; Cho, Jun-Dong; Ryu, Je-Hyuk
Verification Platform with ARM-and DSP-Based Multiprocessor Architecture for DVB-T Baseband Receivers	2008	ETRI journal 30 1 141-151	Cho, Koonshik; Chang, June-Young; Cho, Han-Jin; Cho, Jun-Dong
Novel area-efficient regenerator for driving long on-chip interconnects	2008	IEICE Electronics Express 5 9 338-343	Lee, Sung-Wook; Kim, Joo-Seong; Cho, Jun-Dong; Kong, Bai-Sun
Software implementation of TPEG decoder on a T-DMB using X-PAD	2008	2008 International SoC Design Conference 2 II-53-II-56 IEEE	Kim, Kyo-Seok; Kwon, Soon-Tae; Cho, Jun-dong; Kim, Min-Kyu; Ryu, Je-Hyuk; Kim, Kyung-Uk
Novel High Voltage Generator Circuit Design for Igniting Xenon Lamp	2008	Proceedings of the KIPE Conference 180-182	Jeon, Byung-Goo; Cho, Jun-Dong

Fault Tolerant Cache for Soft Error	2008	The Transactions of The Korean Institute of Electrical Engineers 57 1 128-136	Lee, Jong-Ho; Cho, Jun-Dong; Pyo, Jung-Yul; Park, Gi-Ho
Soft error fault tolerant cache	2008	Trans. Korean. Inst. Elect. Eng.,57 1 128-136	Lee Jong-ho; Cho Jun-dong; Pyo Jung-yeol; Park Ki-ho
Power Electronics System Design and Checklist for Cellular Phone	2008	Proceedings of the Power Electronics Society Conference, 345-347	Chung-Ho Shin, & Jun-Dong Cho
Implementation MOT Protocol Decoder based on embedded linux	2008	Proceedings of Symposium of the Korean Institute of communications and Information Sciences, 1424-1427	Soon-Tae Kwon, Kyo-Seok Kim, Jun-Dong Cho, Je-Hyuk Ryu, Min-Kyu Kim, & Kyung- Uk Kim
Novel High Voltage Generator Circuit Design for Igniting Xenon Lamp	2008	Proceedings of the Power Electronics Society Conference, 180-182	Byung-Goo Jeon, & Jun-Dong Cho
Implementation TPEG Decoder for T-DMB using X-PAD	2008	Proceedings of Symposium of the Korean Institute of communications and Information Sciences, 1857-1861	Kyo-Seok Kim, Soon-Tae Kwon, Jun-Dong Cho, Kyung- Uk Kim, Min-Kyu Kim, & Je- hyuk Ryu
Screen Partition Scalable Video Coding Method Using Multi Processor	2007	Proceedings of the Korean Institute of Electrical Engineers conference, 443-444	Jae Gon Kim, & Jun-Dong Cho
Geometric Constraints Exploration for Timing-Driven Placement	2007	Proceedings of Korea Information Science Society Conference, 34 1C 375-379	Lee, Jae-Hoon , Cho, Jun Dong
Implantable low-power Pacemaker for Heart Disease Therapy	2007	Proceedings of the KIEE Conference 473-474	Kim, Kyo-Seok; Lee, Sang- Won; Cho, Jun-Dong
Noble current-based Method for gauging remainder of battery	2007	Proceedings of the Korean Institute of Electrical Engineers conference, 389-390	Chung-Ho Shin, & Jun-Dong Cho
Implantable low-power Pacemaker for Heart Disease Therapy	2007	Proceedings of the Korean Institute of Electrical Engineers conference, 473-474	Kyo Seok Kim, Sang Won Lee, & Jun-Dong Cho

Modeling of CableCARD SoC Platform based on RTL-TLM Co-Simulation with SystemC	2007	ITC-CSCC: International Technical Conference on Circuits Systems, Computers and Communications" 258-259	Lee, Suk-Yun; Ryu, Je-Hyuk; Hong, Byoung-Joo; Cho, Jun-Dong
Implementation of the Implantable Pacemaker Signal Processor based on Learning Technique	2007	대한전자공학회 ISOCC 407-410	Lee, Sang-Won; Kim, Kyo-Suk; Cho, Jun-Dong
Geometric Constraints Exploration for Timing-Driven Placement	2007	Proceedings of the Korean Information Science Society Conference 75-379	Lee, Jae-Hoon; Cho, Jun-Dong
Screen Partition Scalable Video Coding Method Using Multi Processor	2007	Proceedings of the KIEE Conference 443-444	Kim, Jae-Gon; Cho, Jun-Dong
Noble current-based Method for gauging remainder of battery	2007	Proceedings of the KIEE Conference 389-390	Shin, Chung-Ho; Cho, Jun-Dong
Implantable Bio system design for displacement measurement of living life	2007	The 9th International Conference on Advanced Communication Technology 1 299-304 IEEE	Myung-suk, Choi; Sang-won, Lee; Jong-chul, Kim; Jun-dong, Cho; Jin-kwon, Kim; Hang-sik, Shin; Myung-ho, Lee; Un-sun, Cho; Jae-seok, Kim
A FPGA-based SoC Platform for FED Image Processing	2007	ISOCC 505-508	Lee, Seung Hoon; Hong, Byung Joo; Kim, Jong Chul; Ryu, Je Hyuck; Cho, Jun-Dong
Parallelized and Pipelined Architecture of H. 264/AVC Interpolation applied for Concurrent Processors System-on-chip	2007	ITC-CSCC: International Technical Conference on Circuits Systems, Computers and Communications 246-247	Chang, June-Young; Cho, Han-Jin; Chul, Kim-Jong; Cho, Jun-Dong
Design Methodology for Static Timing Analysis of Designs including Clock Meshes	2006	ISOCC 596-599	Kim, Soo-Hyun; Rim, Chul; Jang, Myung-Soo; Hong, Byung-Ju; Cho, Jun-Dong

High speed 3D IR scanner for home service robots	2006	IEICE transactions on fundamentals of electronics, communications and computer sciences" 89 3 678-685	Ryu, Jehyuk; Yun, Sungho; Song, Kyungjin; Cho, Jundong; Choi, Jongmoo; Lee, Sukhan
A VLSI design of high speed bit-level viterbi decoder	2006	APCCAS 2006-2006 IEEE Asia Pacific Conference on Circuits and Systems 309-312 IEEE	Kim, Min Woo; Cho, Jun Dong
On the configurable multiprocessor soc platform with crossbar switch	2006	APCCAS 2006-2006 IEEE Asia Pacific Conference on Circuits and Systems 1087-1090 IEEE	Hong, Byung-Joo; Cho, Koon-Shik; Kang, Seung-Hyun; Lee, Suk-Yoon; Cho, Jun-Dong
A Bit-level ACSU of High Speed Viterbi Decoder	2006	JSTS: Journal of Semiconductor Technology and Science 6 4 240-245	Kim, Min-Woo; Cho, Jun-Dong
An Implementation of Network Processor Protocol Converter and flow Control using FPGA	2006	Proceedings of the KIEE Conference	Jinmin Bang; Cho Jun-dong; Kim Seok-ho
An Implementation of Network Processor Protocol Converter and flow Control using FPGA	2006	Proceedings of the KIEE Conference 397-400	Bang, Jin-Min; Cho, Jun-Dong; Kim, Austin S
Low-Power Systolic Array Viterbi Decoder Implementation With A Clock-gating Method	2005	The KIPS Transactions: PartA 12 1	Ryu, Je-Hyuk; Cho, Jun-Dong
Hierarchical Analysis of RLC Power Distribution Network	2005	ISOC 199-202	Cheon, Young-Hoe; Cho, Jun-Dong; Lee, Kyung-Ho; Yoo, Moon-Hyun; Kong, Jeong-Taek
Variable Pulse Mode Driving IR Source Based 3D Robotic Camera.	2005	MVA 530-533	Lee, Sukhan; Jung, Byungchan; Ryu, Jehyuk; Yoon, Seongho; Oh, Seungsub; Oh, Jeongtaek; Choi, Changsik; Choi, Jongmoo; Kim, Hoonmo; Cho, Jundong

A 3D Image Processing Accelerator SoC design using SDRAM and FPGA	2005	ITC-CSCC: International Technical Conference on Circuits Systems, Computers and Communications 117-118	Yoon, Sungho; Song, Kyungjin; Ryu, Jehyuk; Cho, Jundong; Choi, Jongmoo; Lee, Sukhan
An Efficient Substrate Noise Analysis Method for Full Custom IC Design using Lightly Doped CMOS Process	2005	ISOC 190-194	Kim, Jeong-Yeol; Cho, Jun-Dong; Jin, Woo-Jin; Kim, Jun-Koo; Lee, Jong-Bae; Yoo, Moon-Hyun; Kong, Jeong-Taek
Design of DSP based SoC platform for DVB-T baseband receiver	2005	Proceedings of the Korea Information Processing Society Conference 1733-1736	Kang, Seung-Hyun; Cho, Koon-Shik; Seo, Woo-Hyun; Cho, Jun-Dong
Clock-gating 방법을 사용한 저전력 시스템용 어레이 비터비 복호기 구현	2005	Journal of Information Processing Society. Computer and Communication Systems 12	Ryu Je-hyeok; Cho Jun-dong
Implementation Of 3D Sensing Using CIS and FPGA	2005	Korean Information Processing Society Conference Proceedings, 12 2 727-730	Song Gyeong-jin; Seongho Yoon; Ryu Je-hyeok; Cho Jun-dong
Design of DSP based SoC platform for DVB-T baseband receiver	2005	Korean Information Processing Society Conference Proceedings, 1733-1736	Seung-Hyeon Kang; Jo Gun-sik; Woohyun Seo; Cho Jun-dong
Implementation Of 3D Sensing Using CIS and FPGA	2005	Proceedings of the Korea Information Processing Society Conference 27-730	Song, Kyeong-Jin; Yoon, Sung-Ho; Ryu, Je-Hyuk; Cho, Jun-Dong
Pre-layout Clock Analysis with Static Timing Analysis Algorithm to Optimize Clock Tree Synthesis	2004	Proceedings of the Korean Institute of Electrical Engineers conference, 391-393	Joo-Hyun Park, Seong-Min Ryu, Myung-Soo Jang, Sea-Hawon Choi, Kyu-Myung Choi, Jun-Dong Cho, & Jeong-Taek Kong
Physical layer design of OpenCable TM Copy Protection Module using SystemC	2004	Korean Information Processing Society Conference Proceedings, 157-160	Jeongho Lee; Lee Sook-yoon; Cho Jun-dong
A Study on Data Driver IC for Field Emission Display	2004	Korean Information Processing Society Conference Proceedings, 797-800	Youngmin Jang; Jinseok Lee; Lee Jun-seong; Cho Jun-dong

Healthcare system for blood sugar monitoring	2004	Proceedings of the Korea Internet and Information Society conference, 5 1 153-156	Ahn Gil-ho; Park Jae-wan; Ji-Tae Shin; Shin Dong-ryeol; Cho Jun-dong
A Study on Data Driver IC for Field Emission Display	2004	Proceedings of the Korea Information Processing Society Conference 797-800	Jang, Young-Min; Lee, Jin-Seok; Lee, Jun-Sung; Cho, Jun-Dong
A Design Of Physical Layer For OpenCable Copy Protection Module Using SystemC	2004	Proceedings of the Korea Information Processing Society Conference 157-160	Lee, Jung-Ho; Lee, Suk-Yun; Cho, Jun-Dong
CableCard High Level Implementation for OpenCable Using SystemC	2004	Proceedings of Symposium of the Korean Institute of communications and Information Sciences, 957-960	In-Suk Yun, Je-Hyuk Ryu, In-Suk Yun, & Jun-Dong Cho
Pre-layout Clock Analysis with Static Timing Analysis Algorithm to Optimize Clock Tree Synthesis	2004	Proceedings of the KIEE Conference 391-393	Park, Joo-Hyun; Ryu, Seong-Min; Jang, Myung-Soo; Choi, Sea-Hawon; Choi, Kyu-Myung; Cho, Jun-Dong; Kong, Jeong-Taek
CableCard High Level Implementation for \$ OpenCable TM \$ Using SystemC	2004	Proceedings of the Korean Institute of Communication Sciences Conference 257-257	Yun, In-Suk; Ryu, Je-Hyuk; Lee, Suk-Yun; Cho, Jun-Dong
An Architectural Design of personal Gateway in Mobile Health-Care System Using Wireless Sensor Network	2004	Proceedings of the Korean Institute of Communication Sciences Conference 256-256	Ahn, Chunsoo; Choi, Jeong-Young; Shin, Jitae; Cho, Jun-Dong
A fast sorting VLSI architecture for general-purpose standard median filters	2004	IEICE TRANSACTIONS on Fundamentals of Electronics, Communications and Computer Sciences" 87 3 698-700	YU, Hyeongseok; CHO, Jun-Dong
An SoC-based context-aware system architecture	2004	International Conference on Knowledge-Based and Intelligent Information and Engineering Systems 573-580 "Springer, Berlin, Heidelberg"	Lee, Keon Myung; Sohn, Bong Ki; Kim, Jong Tae; Lee, Seung Wook; Lee, Ji Hyong; Jeon, Jae Wook; Cho, Jundong

An Embedded Healthcare System for Blood Glucose Monitoring in a Body Area Network.	2004	International Conference on Wireless Networks 858-861	Ahn, Kil-Ho; Park, Jae-Wan; Shin, Dong Ryeol; Shin, Ji-Tae; Cho, Jun Dong
Hardware Software Co-design based on Multiprocessor SoC Platform for DVB-T baseband receiver	2004	Proceedings of the Korean Institute of Communication Sciences Conference 258-258	Cho, Koon-Shik; Kang, Seoung-Hyun; Seo, Woo-Hyun; Chang, Juneyoung; Han, Jinho; Bae, Younghwan; Cho, Hanjin; Cho, Jun-Dong
An SoC-based Context-Aware System Architecture	2004	Journal of the Korean Institute of Intelligent Systems 14 45 12-516	ohn, Bong-Ki; Lee, Keon-Myong; Kim, Jong-Tae; Lee, Seung-Wook; Lee, Ji-Hyong; Jeon, Jae-Wook; Cho, Jun-Dong;
Real-Time Rule-Based System Architecture for Context-Aware Computing	2004	Journal of the Korean Institute of Intelligent Systems 14 5 587-592	Lee, Seung-Wook; Kim, Jong-Tae; Sohn, Bong-Ki; Lee, Keon-Myung; Cho, Jun-Dong; Lee, Jee-Hyung; Jeon, Jae-Wook
Fast and low power Viterbi search engine using inverse hidden Markov model	2004	"IEICE TRANSACTIONS on Fundamentals of Electronics, Communications and Computer Sciences" 87 3 695-697	Kim, Bo-Sung; Cho, Jun-Dong
A folded VLSI architecture of decision feedback equalizer for QAM modem	2004	IEICE TRANSACTIONS on Fundamentals of Electronics, Communications and Computer Sciences" 87 3 628-639	YU, Hyeongseok; KIM, Byung Wook; CHO, Jun-Dong
An SoC-based Context-Aware System Architecture	2004	Journal of Korean Institute of Intelligent Systems, 14(4), 512-516	Bong Ki Sohn, Keon Myong Lee, Jong Tae Kim, Seung Wook Lee, Ji Hyong Lee, Jae Wook Jeon, & Jun Dong Cho
High Performance Crypto Processor Design For IPSec/SSL Protocol	2003	Proceedings of Symposium of the Korean Institute of communications and Information Sciences, 1219-1222	Je-Hyuk Ryu, Jun-Hyung Kim, Koon-Shik Cho, & Jun-Dong Cho

Pre-layout Clock Analysis with Static Timing Analysis Algorithm to Optimize Clock Tree Synthesis	2004	Proceedings of the Korean Institute of Electrical Engineers conference, 391-393	Joo-Hyun Park, Seong-Min Ryu, Myung-Soo Jang, Sea-Hawon Choi, Kyu-Myung Choi, Jun-Dong Cho, & Jeong-Taek Kong
A low power adaptive filter using dynamic reduced 2's-complement	2003	IEEE Journal of Solid-State Circuits, 38 3 521-529	Park, Bok-Gue; Cho, Koon-shik; Cho, Jun-Dong
Concurrent placement and routing in the design of integrated circuits	2003	Automation and Remote Control 64 12 1988-1999 Kluwer Academic Publishers-Plenum Publishers	"Erzin, Adil Iliasovich; Cho, JD; "
Fast Hardware Implementation of Elliptic Curve Cryptography based on Digit-Serial Multiplier using PCI Interface	2003	Proceedings of Symposium of the Korean Institute of communications and Information Sciences, 632-635	Jun-Hyung Kim, Je-Hyuk Ryu, & Jun-Dong Cho
Skew minimization problem with possible sink displacement	2003	Automation and Remote Control 64 3 493-504 Kluwer Academic Publishers-Plenum Publishers	Erzin, Adil Iliasovich; Cho, JD
Software Design Methodology of OFDM DVB-T Receiver using DSP-based Platform	2003	Annual Conference of IEIE, 55-59	Shin jeong-heon, Yu hyung-suk, Yoon joo-hyun, Park chan-seop, Jung hae-ju, & Cho jun-dong
MPEG TS Descrambler modeling in SystemC	2003	Proceedings of Symposium of the Korean Institute of communications and Information Sciences, 1881-1884	Hyoung KYu Song, Jun Hyung Kim, & Jun Dong Cho
Digital Signal Process Platform Experimentation for efficiency in OFDM DVB-T receiver	2003	Proceedings of Symposium of the Korean Institute of communications and Information Sciences, 1877-1880	Yoon joo-hyun, Yu hyung-suk, Shin jung-hun, Park chan-seip, Jung hae-ju, & Cho jun-dong

HMM-based Isolated Word Recognition	2002	International Symposium on Quality Electronic Design: Proceedings: 18-21 March, 2002, San Jose, California" 235 IEEE	Park, Bok-Gue; Cho, Koon-shik; Cho, Jun-Dong
Low power VLSI architecture of Viterbi scorer for HMM-based isolated word recognition	2002	Proceedings International Symposium on Quality Electronic Design 235-239 IEEE	Park, Bok-Gue; Cho, Koon-shik; Cho, Jun-Dong
High Speed Modular Multiplication Algorithm for RSA Cryptosystem	2002	Journal of the Korean Society of Communication Studies, 27 3C 256-262	Koon-Shik Cho, & Jun-Dong Cho
Fast Hardware Implementation of Elliptic Curve Cryptography based on Digit-Serial Multiplication for Public Key Crypto Processor	2002	Proceedings of Symposium of the Korean Institute of communications and Information Sciences, 428-431	Jun-Hyung Kim, Sang-Ho Lee, & Jun-Dong Cho
High Speed Modular Multiplication Algorithm for RSA Cryptosystem	2002	Journal of the Korean Society of Communication Studies, 256-262	조균식; 조준동
Proposal of optimum equalizer hardware architecture for cable modem and analysis of various LMS algorithms	2002	The Journal of Korean Institute of Communications and Information Sciences 27 2C 150-159 The Korean Institute of Commucations and Information Sciences	Cho, Yeon-Gon; Yu, Hyeong-Seok; Kim, Byung-Wook; Cho, Jun-Dong; Kim, Jea-Woo; Lee, Jae-Kon; Park, Hyun-Chul"
Proposal Of Optimum Equalizer Hardware Architecture for Cable Modem and Analysis of Various LMS Algorithms	2002	The Journal of Korean Institute of Communication and Information Sciences, 27 2C 150-159	Yeon Gon Cho, Hyeong-seok Yu, Byung Wook Kim, Jun Dong Cho, Jea Woo Kim, Jae Kon Lee, & Hyun Chul Park
Lower Power-Driven Resynthesis on Mapped Circuits	2001	The Journal of Korean Institute of Communication and Information Sciences, 1737-1745	Inki Hwang; Jun-dong Cho
Gate-Level Power Estimation	2001	The Journal of Korean Institute of Communications and Information Sciences, 26(10),	Inki Hwang; Jun-dong Cho

		1737-1745	
Low-power design and architecture	2001	IEEE Potentials 20 3 18-22 IEEE	Yu, Hyeongseok; Cho, Jun-Dong
Area-efficient and reusable VLSI architecture of decision feedback equalizer for QAM modems	2001	Proceedings of the 2001 Asia and South Pacific Design Automation Conference 404-408	Yu, Hyeongseok; Kim, Byung Wook; Cho, Yeon Gon; Cho, Jun-Dong; Kim, Jea Woo; Park, Hyun Cheol; Lee, Ki Won
High-speed modular multiplication algorithm for RSA cryptosystem	2001	IECON'01. 27th Annual Conference of the IEEE Industrial Electronics Society (Cat. No. 37243) 1 479-483 IEEE	Cho, Koon-Shik; Ryu, Je-Hyuk; Cho, Jun-Dong
A higher-speed architecture for residue to binary number system conversion	2001	"Proceedings of Ninth International Symposium on Integrated Circuits, Devices and Systems"	Kang, D; Ryu, J; Cho, J
A New High Speed Modular Multiplication Algorithm for RSA Cryptosystem	2001	The Society of Electronic Engineers of Korea, 416-421	Cho, Koon-Shik; Cho, Jun-Dong
Low Power Viterbi Scorer for HMM-based Isolated Word Recognition System	2001	Proceedings of Symposium of the Korean Institute of communications and Information Sciences, 1114-1117	Park, Bok-Gue; Cho, Jun-Dong
Low power digital multimedia telecommunication designs	2001	VLSI Design 12 3 301-315 Hindawi	Cho, Koon-Shik; Cho, Jun-Dong
Deep-submicron placement minimizing crosstalk	2001	VLSI Design 12 1 Hindawi	Cho, Jun Dong; Cho, Jin Youn
VLSI design and CAD technology trends and prospects	2000	Journal of the Korean Society of Electronic Engineering , 27(2), 67-82	Hwang Seon-young, Seonwoo Myeong-hun, Cho Jun-dong, Im Il-il
Low Power ASIC Design for IS-95 based CDMA Searcher	2000	The Journal of Korean Institute of Communications and Information Sciences 25 12A 1852-1860	Kim, San; Hwang, In-Ki; Cho, Jun-Dong

Codesign of IS-95 based CDMA Searcher	2000	Journal of the Korean Society of Communication Studies, 1368-1376	Inki Hwang; Kimsan; Cho Jun-dong; Hyeongjin Choi;
A VLSI Architecture for Blind Decision Feedback Equalizer	2000	Proceedings of Symposium of the Korean Institute of communications and Information Sciences, 51-354	Kim, Byung Wook; Yu, Hyeong Suok; Cho, Yeon Gon; Cho, Jun Dong; Kim, Jea Woo; Lee, Jae Kon; Park, Hyuncheol
Wiring space and length estimation in two-dimensional arrays	2000	IEEE Transactions on Computer-Aided Design of Integrated Circuits and Systems 19 5 612-615	Cho, Jun Dong
Low power Viterbi search architecture using inverse hidden Markov model	2000	IEEE Workshop on SIGNAL PROCESSING SYSTEMS. SiPS 2000. Design and Implementation (Cat. No. 00TH8528) 724-732 2000 IEEE	Kim, Bo-Sung; Cho, Jun-Dong; Chang, Young-Hoon;
A deep-submicron Steiner tree	2000	Mathematical and computer modelling 31 215-226 Pergamon	Erzin, Adil I; Cho, Jun-Dong
Maximizing memory data reuse for lower power motion estimation	2000	Proceedings of the 10th Great Lakes symposium on VLSI 133-138	Kim, Bo-Sung; Cho, Jun-Dong
On the various LMS Algorithms for FS-DFE with Low Hardware Complexity suitable for the High Order QAM Cable Modem	2000	Proceedings of Symposium of the Korean Institute of communications and Information Sciences	Cho, Yeon Gon; Kim, Byung Wook; Yu, Hyeong-seok; Cho, Jun Dong; Kim, Jea Woo; Lee, Jae Kon; Park, Hyun Chul; Lee, Ki Won; "
A fast VLSI implementation of sorting algorithm for standard median filters	1999	Twelfth Annual IEEE International ASIC/SOC Conference (Cat. No. 99TH8454) 387-390 IEEE	Yu, Hyeong-Seok; Lee, Joon-Yeop; Cho, Jun-Dong
Lower-Power and Min-Crosstalk Channel Routing for Deep-Submicron Layout Design	1999	VLSI Design 10 1 87-97 Hindawi	"Nam, SH; Cho, JD; Wagner, D; "

Wiring space estimation in two-dimensional arrays	1999	"Workshop on System-Level Interconnect Prediction SLIP99, Monterey, CA" Citeseer	Cho, Jun Dong
A Fast Sorting Algorithm for General-Purpose Standard Median Filters in VLSI Implementation	1999	In Twelfth Annual IEEE International ASIC/SOC Conference (Cat. No. 99TH8454) (pp. 387-390). IEEE.	Yu, Hyeong-Seok; Cho, Jun-Dong
Special Section on VLSI Design and CAD Algorithms-PAPERS-A High-Speed, Low-Power Phase Frequency Detector and Charge-Pump Circuits for High Frequency Phase-Locked Loops	1999	IEICE Transactions on Fundamentals Electronics Communications and Computer Sciences 82 11 2514-2520	Lee, Won-Hyo; Lee, Sung-Dae; Cho, Jun-Dong
Lower Power Channel Routing by Crosstalk Minimization for Deep Submicron VLSI Design	1999	Journal of Electrical Engineering and Information Science 4 6 660-667	Nam, Su-Hyun; Cho, Jun-Dong
VLSI architecture for low power motion estimation using high data access reuse	1999	AP-ASIC'99. First IEEE Asia Pacific Conference on ASICs (Cat. No. 99EX360) 162-165 IEEE	Kim, Bo-Sung; Cho, Jun-Dong;
A high speed, low power phase frequency detector and charge pump circuits for high frequency PLL	1999	IEICE TRANS FUNDAMENTAL 82	Lee, Won-Hyo; Lee, Sung-Dae; Jun-Dong cho
A new lower power Viterbi decoder architecture with glitch reduction	1999	AP-ASIC'99. First IEEE Asia Pacific Conference on ASICs (Cat. No. 99EX360) 83-86 IEEE	Ryu, JA; Kim, SC; Cho, JD; Park, HW; Chang, YH
A low-power PLL-based clock generator with 1 MHz similar to 152 MHz of lock range	1999	Journal of the Korean Physical Society 35 S927-S933	Lee, Won-Hyo; Cho, Jun-Dong; Lee, Sung-Dae;
A high speed and low power phase-frequency detector and charge-pump	1999	Proceedings of the ASP-DAC'99 Asia and South Pacific Design Automation Conference 1999 (Cat. No. 99EX198) 269-272 IEEE	Lee, Won-Hyo; Cho, Jun-Dong; Lee, Sung-Dae;

Lower power Viterbi decoder architecture with a new clock-gating trace-back unit	1999	ICVC'99. 6th International Conference on VLSI and CAD (Cat. No. 99EX361) 297-300 IEEE	Ryu, Je Hyuk; Kim, Sang Cheon; Cho, Jun Dong; Park, Hyun Woo; Chang, Yung Hoon
A high-speed, low-power phase frequency detector and charge-pump circuits for high frequency phase-locked loops	1999	IEICE TRANSACTIONS on Fundamentals of Electronics, Communications and Computer Sciences" 82 2514-2520 "	Lee, Won-Hyo; Lee, Sung-Dae; Cho, Jun-Dong
Low Power Data Compression Algorithm by Minimizing Switching Activity	1999	Journal of KIISE (A) 26 6 722-728	Jeon, Seong-Sik , Jo Jun Dong
Low Area CMOS Multiplication Using Booth Algorithm for IEEE 754 Floating Point Standard	1999	The 6th Korean Semiconductor Conference, D-48	Yu, Hyeong Seok; Cho, Jun Dong
A Low Power-Driven Data Path Optimization based on Minimizing Switching Activity	1999	Journal of Electronic Engineering Society-C 36 4 17-29	Lim Se-jin; Cho Jun-dong
성Resynthesis of Logic Gates on Mapped Circuit for Low Power	1998	Journal of the Institute of Electronics Engineers of Korea - C, 35(11), 849-858.	Hyunsang Kim; Cho Jun-dong;
Four-bend top-down global routing	1998	IEEE transactions on computer-aided design of integrated circuits and systems 17 9 793-802 IEEE	Cho, Jun Dong; Sarrafzadeh, Majid
A low power booth multiplier based on operand swapping in instruction level	1998	Journal of the Korean Physical Society 33 9 258 The Korean Physical Society	Kim, JH; Lee, JS; Cho, JD;
Fast approximation algorithms on maxcut, k-coloring, and k-color ordering for VLSI applications	1998	IEEE Transactions on Computers 47 11 1253-1266 IEEE	Cho, Jun-Dong; Raje, Salil; Sarrafzadeh, Majid
Improving Performance and Routability Estimation in Deep-submicron Placement	1998	Journal of Electrical Engineering and information Science 3 3 292-299	Cho, June-Dong; Cho, Jin-Youn
A High-Speed and Low power Phase-Frequency Detector using	1998	Proceedings of Symposium of the Korean Institute of	Won-Hyo Lee, Sang-Kyu Kim, Sung-Dae Lee, & Jun-Dong

Cross Coupled Latch		communications and Information Sciences, 1423-1426	Cho
Circuit division to reduce power consumption	1998	Journal of KIIE (A) 25 11 1327-1337	Cho Jin-yoon; Cho Jun-dong
A Low-Power Channel Routing Problem	1998	Annual Conference of IEIE, 21-26	Nam Soo-hyun; Cho Jun- dong;
Low Power Partitioning using Min- Cost Flow	1998	Annual Conference of IEIE, 423-424	Cho Jin-yoon; Cho Jun-dong
A Low-Power Layout Design Using the Dual Voltages	1998	Annual Conference of IEIE, 27-31	Jinhyeok Kim; Lee Jun-seong; Cho Jun-dong
Lower Power Booth Multiplier	1998	Annual Conference of IEIE, 509-510	Jinhyeok Kim; Lee Jun-seong; Cho Jun-dong
High Performance Sample and Hold circuit with Reducing Clock Feedthrough	1998	Proceedings of the Korea Communications Society Conference, 1427-1430	Soo-Hyoung Lee, Jae-Hyung Lee, Sung-Dae Lee, & Jun- Dong Cho
Minimizing Power Dissipation and Code Length by Switching Activity Minimization	1997	Proceedings of the Korea Information Science Society Conference, 24 1A 735-738	Sung-Sik Chun, & Jun-Dong Cho
LEXA: a left-edge based crosstalk- minimum k-color permutation in VHV channels	1997	IEEE International Symposium on Circuits and Systems (ISCAS) 3 1704-1707 IEEE	Cho, Jun Dong; Chang, Myung Soo
Deep-submicron rectilinear Steiner tree problem	1997	Proceedings of the 5-th Int. Conf. On VLSI and CAD, Seoul" 241-243	Erzin, Adil I; Kim, Sang-Ha; Cho, Jun-Dong
A min-cost flow based min-cost rectilinear Steiner distance- preserving tree construction	1997	Proceedings of the 1997 international symposium on Physical design 82-87	Cho, Jun-Dong
Bend-Constrained Global Routing Algorithm in Two-Dimensional Arrays	1997	Journal of KISS((A) 24 1 80-91	Jun Dong Cho
The pin redistribution problem in multi-chip modules	1996	Location Science 4 4 271	Cho, Jun Dong; Sarrafzadeh, Majid

Lower Power Design Automation for Digital Circuits	1996	Annual Conference of IEIE	Cho, Jun Dong
A buffer distribution algorithm for high-performance clock net optimization.	1996	Microelectronics Reliability 4 36 556-557	Jun-Dong, Cho; Sarrafzadeh, Majid
An optimum pin redistribution for multichip modules	1996	Proceedings IEEE Multi-Chip Module Conference (Cat. No. 96CH35893) 111-116 1996 IEEE	Cho, Jun Dong
A buffer distribution algorithm for high-performance clock net optimization	1995	IEEE Transactions on Very Large Scale Integration (VLSI) Systems 3 1 84-98 IEEE	Cho, Jun-Dong; Sarrafzadeh, Majid
New Approximation Results on Graph Matching	1995	Graph-theoretic Concepts in Computer Science: International Workshop WG... Proceedings 343 "Springer-Verlag,."	Jabbar, Muhammad Shahid; Hussain, Ghulam; Cho, Jundong; Bae, Sangmin
Yet Another Clock Layout Synthesis System Based on a New Clustering Method	1995	Annual Conference of IEIE, 296-303	Ae Yeol Lee, Myung Soo Jang, Hyun Seok Song, & Jun Dong Cho
New approximation results on graph matching and related problems	1994	International Workshop on Graph-Theoretic Concepts in Computer Science 343-358 "Springer, Berlin, Heidelberg	Kajitani, Yoji; Cho, Jun Dong; Sarrafzadeh, Majid
Approximation algorithm on multi-way maxcut partitioning	1994	European Symposium on Algorithms 148-158 1994 "Springer, Berlin, Heidelberg"	Cho, Jun Dong; Raje, Salil; Sarrafzadeh, Majid
M2R: Multilayer routing algorithm for high-performance MCMs	1994	IEEE Transactions on Circuits and Systems I: Fundamental Theory and Applications 41 4 253-265 IEEE	Cho, Jun Dong; Liao, Kuo-Feng; Raje, Salil; Sarrafzadeh, Majid
The pin redistribution problem in multi-chip modules	1994	Mathematical programming 63 1 297-330 Springer-Verlag	Cho, Jun Dong; Sarrafzadeh, Majid
High-performance physical design in multilayer packages	1993	Northwestern University (Ph.D. Thesis)	Jun-Dong Cho

A buffer distribution algorithm for high-speed clock routing	1993	Proceedings of the 30th International Design Automation Conference 537-543 (Best Paper Award)	Cho, Jun Dong; Sarrafzadeh, Majid
Crosstalk-minimum layer assignment	1993	Proceedings of IEEE Custom Integrated Circuits Conference-CICC'93 29.7. 1-29.7. 4 IEEE	Cho, JD; Raje, S; Sarrafzadeh, M; Sriram, M; Kang, SM
Approximation algorithm on multi-way maxcut partitioning.	1993	In <i>European Symposium on Algorithms</i> , pp. 148-158. Springer, Berlin, Heidelberg, 1994.	Cho, Jun Dong, Salil Raje, and Majid Sarrafzadeh
High-performance MCM routing	1993	IEEE Design & Test of Computers 10 4 27-37 IEEE	Cho, Jun Dong; Sarrafzadeh, Majid; Sriram, Mysore; Kang, Sung-Mo
A multilayer assignment algorithm for interference minimization.	1993	In <i>Proc. ACM/SIGDA Physical Design Workshop, Lake Arrowhead, CA</i> (pp. 63-67).	Cho, J. D., Raje, S., Sarrafzadeh, M., Sriram, M., & Kang, S. M.
Multilayer routing algorithm for high performance MCMs	1992	<i>Proceedings. Fifth Annual IEEE International ASIC Conference and Exhibit.</i> IEEE	Cho, J-D., K-F. Liao, and Majid Sarrafzadeh
Optimized Extraction of the SPICE2 BJT DC and AC Model parameters	1985	Annual Conference of IEIE, 622-624	Daehyung Cho, Cho Jun-dong, Bae Deuk-seung, Gongjeongtaek

9. Patent registration and application

Title of invention	Inventor	Registration Number	Date
감상 경로 생성 장치 및 그 동작방법(Apparatus for generating art navigation path and operation method thereof)	조준동 이도원	1024595300000	2022.10.24
색상 인지를 위한 색상 온도 변환 방법, 장치 및 시스템 (Color-to-temperature conversion method for color recognition, apparatus and system therefor)	조준동 루이스 호르헤 조성기	1023864540000	2022.04.11
색상정보 표시용 촉각장치(Tactile device for displaying color information)	이충헌 조준동 자바 무함마드	1024298050000	2022.08.02

색상 인지를 위한 색상-촉각패턴 변환 시스템 및 이를 이용한 색상-촉각패턴 변환 방법(Color-Tactile_Pattern Transformation System for Color Recognition and Method Using the Same)	조준동	1023360510000	2021.12.01
사용자가 고려된 깊이 영상과 생체신호에 기반한 3차원 영상 시각피로도 측정방법 및 시스템 (MEASUREMENT METHOD AND SYSTEM OF VISUAL FATIGUE LEVEL BASED DEPTH IMAGE AND BIO SIGNAL)	조준동 박진훈 김종학 박진원	1018459720000	2018.03.30
어린이 채소 섭취 증진 및 채소 섭취의 효능 교육용 이동 단말기 및 그 제어 방법(MOBILE APPARATUS FOR IMPROVING OF CHILDREN'S VEGETABLE-EATING AND EFFICACY EDUCATING OF VEGETABLE-EATING AND CONTROL METHOD THEREOF)	조준동 정범택 김진환 조영래	1018817650000	2018.07.19
야간 스마트폰 미사용 유도를 위한 이동 단말기 및 조명 장치(MOBILE TERMINAL DEVICE AND LIGHT APPARATUS FOR NIGHT SMARTPHONE UNUSED INDUCTION)	조준동 이종성 이지연 김서광	1018565510000	2018.05.03
가려짐 및 회전에 강인한 공장 자동화 물체 인식 시스템 및 방법(OCCLUSION AND ROTATION INVARIANT OBJECT RECOGNITION SYSTEM AND METHOD IN FACTORY AUTOMATION)	조준동 최윤수 박진원	1018443280000	2018.03.27
손목 보호대(APPARATUS FOR WRIST PROTECT)	조준동 유정두 장민준 김기호 박혜빈 이경영 정현우	1017741470000	2017.08.28
전시 환경에서 위치 측위 정밀도를 향상시키는 방법 (METHOD FOR IMPROVING ACCURACY OF LOCATION POSITIONING IN EXHIBITION)	김현우 이정훈 장준영 정다영 정현희 배상민 조준동	1020170015090 (출원)	2017.02.02
상품 제공 방법(PRODUCT PROVIDING METHOD)	정다영 조준동 배상민 장준영 정현희 이정훈 김현우	1020170019974 (출원)	2017.02.14
공장 자동화를 위한 고속 다중 물체 인식 장치 및 방법 (APPARATUS AND METHOD FOR HIGH SPEED MULTIPLE OBJECT RECOGNITION FOR FACTORY	조준동 김승희 송상협 김종학 윤원종	1017160430000	2017.03.07

AUTOMATION)			
시각 피로도를 줄일 수 있는 입체 영상 후처리 장치 및 방법(APPARATUS AND METHOD FOR STEREOSCOPIIC IMAGE POST-PROCESSING WITH REDUCED VISUAL FATIGUE)	조준동 오정균 김종학 심상권 조형준	1016399490000	2016.07.08
적응형 피크 심장박동 검출 시스템 및 그 방법 (Adaptive peak detection system and method for heart pulse)	조준동 최명석 이상원	1008741680000	2008.12.09
디지털 이미지 향상 방법 및 장치와, 이를 이용한 영상 처리 장치(METHOD AND APPARATUS FOR ENHANCING DIGITAL IMAGE, AND APPARATUS FOR IMAGE PROCESSING USING THE SAME)	조준동 송상협 심상권 윤원종 조형준	1016216140000	2016.05.10
사용자 중심의 실시간 맞춤 뉴스 서비스 제공 장치 및 방법(USER-ORIENTED REAL-TIME CUSTOMIZED NEWS SERVICE APPARATUS AND METHOD FOR THE SAME)	조준동 정종필 한세형	1016646620000	2016.10.04
입체감을 조절할 수 있는 입체 영상 안경, 입체 영상 시스템 및 입체감 조절 방법(STEREOSCOPIIC GLASS AND STEREOSCOPIIC IMAGE DISPLAY SYSTEM CAPABLE OF ADJUSTING 3-DIMENSIONAL SENSATION AND METHOD FOR ADJUSTING 3-DIMENSIONAL SENSATION FOR STEREOSCOPIIC IMAGE DISPLAY SYSTEM)	조준동 김종학 송상협 신한수 오정균	1016457950000	2016.07.29
시각 피로도를 줄일 수 있는 스테레오스코픽 영상 촬영 장치 및 방법(STEREOSCOPIIC IMAGE CAPTURING APPARATUS FOR REDUCING VISUAL FATIGUE AND METHOD THEREOF)	조준동 강성목 김승희 김종학 조형준	1016667440000	2016.10.10
실내 공기질 향상을 위한 캔들워머 장치, 서비스 시스템 및 서비스 방법(CANDLE WARMER DEVICE, SYSTEM AND METHOD FOR IMPROVEMENT OF INDOOR AIR QUALITY)	문유정 조준동 장도영 이나현 이태양	1020160101675 (출원)	2016.08.10
이벤트 스케줄링 스마트 캘린더 서비스 방법 및 그 방법을 수행하는 어플리케이션 프로그램 및 그 기록매체(SMART CALENDER SERVICE METHOD, APPLICATION PROGRAM AND RECORDING	조준동 강성목 송상협 오정균 조형준	1016747990000	2016.11.03

MEDIUM FOR SCHEDULING AD EVENT)			
애완동물의 분리 불안증 해소를 위한 인터랙티브 장난감(INTERACTIVE TOY FOR SOLUTION OF PET DOG LONELINESS)	조준동 금정희 김녹환 박민재 박종률 유준우 유지환 이지훈	1016921400000	2016.12.27
3차원 사용자 인터페이스를 제공하는 스테레오스코픽 디스플레이 장치 및 방법(APPARATUS AND METHOD FOR PROVIDING 3D USER INTERFACE USING STEREOSCOPIIC IMAGE DISPLAY DEVICE)	조준동 박명덕 박종률	1015604740000	2015.10.07
가상 현실 구글 겐용 휴대폰 케이스(MOBILE HANDSSET CASE WITH CONVERTIBLE TO VIRTUAL REALITY GOGGLE)	조준동 박상후 신주영 전빈 조재원	1015330850000	2015.06.25
영상제어 장치, 영상출력 장치 및 이를 포함하는 영상 제어 시스템 및 영상제어 방법(APPARATUS, SYSTEM AND METHOD FOR CONTROLLING PLAYBACK SPEED OF VIDEO)	조준동 김성연 박민재 송승현 이지훈 홍정기	1015605030000	2015.10.07
시각 피로도를 줄일 수 있는 입체 영상 후처리 장치 및 방법(APPARATUS AND METHOD FOR STEREOSCOPIIC IMAGE POST-PROCESSING WITH REDUCED VISUAL FATIGUE)	조준동 김종학 심상권 오정균 조형준	1015505540000	2015.08.31
앉은 자세에 반응하는 엠비언트 미디어 시스템 및 그 제어 방법(AMBIENT MEDIA SYSTEM FOR RESPONDING TO SITTING POSTURE AND METHOD FOR CONTROLLING AMBIENT MEDIA RESPONSIBLE TO SITTING POSTURE)	조준동 김성연 김준희 송승현 안드레아반키 홍정기 엄정훈	1015462490000	2015.08.14
고해상도 스테레오 영상을 위한 실시간 정합 장치 및 정합 방법과 이를 이용한 스테레오 비전 시스템 (APPARATUS AND METHOD FOR REAL-TIME RECTIFICATION FOR HIGH RESOLUTION STEREO IMAGES AND STEREO VISION SYSTEM USING THE SAME)	조준동 김종학 오정균 강성묵 박종률	1014943560000	2015.02.11
손가락 제스처를 이용한 원격 제어 장치(Remote Controller Using Finger Gesture)	조준동 정종필 윤원종 김승호 심상권	1020150030034 (출원)	2015.03.03

영상 제어 방법 및 이를 이용한 영상 표시 장치 (Method for controlling display screen and display apparatus thereof)	조준동 박종률 신한수 강성묵	1014928320000	2015.02.06
심장박동 검출장치(Heart pulse detection system and method)	조준동 진덕양	1015258660000	2015.05.29
터치 디스플레이용 입력 장치, 이를 포함하는 터치 디스플레이 장치 및 터치 디스플레이 화면 제어 방법(INPUT APPARATUS FOR TOUCH DISPLAY, TOUCH DISPLAY DEVICE USING THE SAME AND METHOD FOR CONTROLLING OUTPUT OF TOUCH DISPLAY)	조준동 박민재 유준우 유지환 이지훈	1015420200000	2015.07.29
태동 감지 표시가 가능한 임신부 의류(MATERNITY DRESS CAPABLE OF REPRESENTING FETAL MOVEMENTS)	조준동 박상후 전빈 조재원	1015379120000	2015.07.13
산업용 로봇을 위한 고속 영상 이진화 방법 및 장치 (METHOD AND APPARATUS FOR FAST IMAGE BINARIZATION FOR INDUSTRIAL ROBOTS)	조준동 김종학 조용락 김형석 강성묵	1014672560000	2014.11.25
스테레오 비전에서 탐색 영역 예측을 통한 빠른 스테레오 정합 방법 및 장치와 이를 이용한 스테레오 비전 시스템(METHOD AND APPARATUS FOR FAST STEREO MATCHING BY PREDICTING SEARCH AREA IN STEREO VISION AND STEREO VISION SYSTEM USING THE SAME)	조준동 김용한 이정후 김종학 서남석	1013739820000	2014.03.06
사용자의 위치와 상태에 따른 자동 제어 스마트 TV(Smart TV having healthcare monitoring feature and healthcare monitoring method using the same)	조준동 이동훈 김종학 이정후 김용한	1013497020000	2014.01.03
3차원 영상 시청용 안경 및 이를 이용한 스마트 TV의 전원 제어 방법(Stereoscopic glasses and power control method for smart TV using the same)	조준동 허준회 김종학 서남석 김용한	1014499340000	2014.10.06
스트레오 카메라를 이용한 법규 위반 차량 단속 시스템 및 방법(SYSTEM AND METHOD FOR MONITORING VEHICLE VIOLATING TRAFFIC	조준동 김종학 함현희 박찬오 김정훈	1012273410000	2013.01.22

REGULATION USING STEREO CAMERA)			
눈 깜박임 측정을 통해 입체감을 조절하는 3차원 영상 표시 장치(Three-dimensional image display apparatus adjusting three-dimensional effect using eye blinking)	조준동 이동훈 허준회 서남석 이정후	1013435510000	2013.12.13
스테레오 이미지에서 중복된 영역의 히스토그램 분석에 의한 고해상도 디스패리티 맵 생성 장치 및 방법 (CREATION METHOD AND APPARATUS FOR HIGH RESOLUTION DISPARITY MAP BY THE HISTOGRAM ANALYSIS OF DUPLICATED TERRITORY FROM THE STEREO IMAGE)	조준동 박찬오 허준회	1012650200000	2013.05.09
고정 또는 가변 프레임 레이트를 위한 고속의 고해상도 디스패리티 맵 생성 방법 및 장치(CREATION METHOD AND APPARATUS FOR HIGH RESOLUTION DISPARITY MAP FROM FIXED OR VARIABLE FRAME RATE)	조준동 박찬오 허준회	1012650210000	2013.05.09
입체영상촬영장치에서의 주시각 제어장치 (APPARATUS FOR CONVERGENCE IN 3D PHOTOGRAPHING APPARATUS)	조준동 박찬오 이동훈 김용한	1013459710000	2013.12.20
모션 센서를 이용한 탐색 영역을 감축하는 실시간 영상 안정화 방법, 장치 및 촬상 장치(METHOD, APPARATUS AND IMAGE CAPTURING SYSTEM FOR REAL-TIME IMAGE STABILIZATION WITH REDUCED SEARCH RANGE USING MOTION SENSORS)	조준동 서남석 허준회 이정후 김종학	1013488550000	2013.12.31
3D촬영장치에서의 반자동 주시각 제어장치 및 반자동 주시각 제어방법 (APPARATUS AND METHOD FOR SEMI-AUTO CONVERGENCE IN 3D PHOTOGRAPHING APPARATUS)	조준동 박찬오 이동훈 김종학	1012198590000	2013.01.02
이동통신단말기에서 스마트맵 메뉴를 표시하기 위한 시	조준동 함현호 김종학 박찬오 이동훈	1013022860000	2013.08.26

시스템(SYSTEM FOR DISPLAYING SMARTMAP MENU IN MOBILE COMMUNICATION TERMINAL)			
시차 맵 생성 방법(GENERATING METHOD FOR DISPARITY MAP)	조준동 박찬오 허준희	1012200030000	2013.01.02
스트레오 카메라를 이용한 사용자 인식 음향 조절 시스템 및 이 시스템에서 음향을 조절하는 방법(USER RECOGNITION SYSTEM FOR CONTROLLING AUDIO USING STEREO CAMERA)	조준동 박득현 함현호	1012506100000	2013.03.28
프로세서 파워 시뮬레이션 수행 방법 및 프로세서 파워 시뮬레이션 시스템(METHOD FOR SIMULATING PROCESSOR POWER AND SYSTEM FOR SIMULATING PROCESSOR POWER)	조준동 함현호 박찬오 김종학 김정훈	1012435130000	2013.03.07
UWB 및 MIMO 안테나를 이용한 무선전력공급장치 및 이 장치에서의 배터리 제어 방법(WIRELESS POWER PROVISION APPARATUS USING UWB AND MIMO ANTENNA AND CONTROL METHOD OF BATTERY IN THE APPARATUS)	조준동 김정훈 김종학 함현호 박찬오	1012200180000	2013.01.02
이동통신단말기에서의 한글 입력 방법(METHOD FOR INPUTTING HANGUL IN MOBILE TERMINAL)	조준동 허준희 김용한 김종학 함현호	1011552810000	2012.06.04
피크 심장 박동 검출 시스템 및 방법(PEAK HEARTBEAT DETECTION SYSTEM AND ITS METHOD)	조준동 고형석 김용준 박득현	1011074900000	2012.01.11
3D 카메라에서의 자동 주시각 제어 장치 및 자동 주시각 제어가 수행되는 방법(APPARATUS AND METHOD FOR CONTROLLING AUTO CONVERGENCE IN 3D CAMERA)	조준동 박찬오 김종학 함현호 김정훈	1012011600000	2012.11.07
시차 맵 생성 방법(GENERATING METHOD FOR DISPARITY MAP)	조준동 박찬오 함현호 허준희	1011780150000	2012.08.22
	조준동 고형석	1012100710000	2012.12.03

외부장치를 이용한 주변 환경 감지가 가능한 휴대용 단말장치와 그 사용방법(WIRELESS TERMINAL CAPABLE OF SENSING CIRCUMFERENCE ENVIRONMENT USING EXTERNAL UNIT AND USING METHOD THE SAME)			
터치 패턴을 이용하여 촬영모드를 분류·촬영할 수 있는 휴대용 단말기의 촬영방법(PHOTOGRAPHING METHOD OF WIRELESS TERMINAL CAPABLE OF PHOTOGRAPHING SHOT MODE USING TOUCH PATTERN)	조준동 김용준	1011268670000	2012.03.07
디블록킹 필터에서의 경계면 세기 계수 판단 장치 및 방법(Apparatus and Method for Deciding Boundary Strength in the Deblocking Filter)	조준동 황진우 김재곤 고형석	1010518710000	2011.07.19
터치 스크린에서 비접촉 기술을 이용한 인터페이스 제어 방법 및 이를 구비하는 휴대용 단말기(Control Method for interface using a non-contact technique on a touch screen and portable terminal using the same)	조준동 황진우	1010819310000	2011.11.03
한 손으로 조작 가능한 터치스크린 인터페이스 제어 장치(Touch Screen Interface Control Device)	조준동 황진우	1010217570000	2011.03.04
유선 통신 시스템에서 회선 절체를 위한 장치 및 방법 (APPARATUS AND METHOD FOR SWITCHING COMMUNICATION LINE IN A WIRED COMMUNICATION SYSTEM)	조준동 김용준 고형석 박득현	1010848340000	2011.11.11
공통 데이터 패스 구조를 포함하는 디블록킹 필터링 연산 장치 및 그 방법(Deblocking Filtering Unit with a Reconfigurable Data-Path and Method Thereof)	조준동 황진우	1010731500000	2011.10.06
양방향 정수 변환 장치 및 방법(Bidirectional integer transform device and method)	조준동 고형석 황진우 김재곤	1010675310000	2011.09.19
	김재곤 조준동 황진우 고	1010510400000	2011.07.15

디블럭킹 필터링 방법(METHOD FOR DEBLOCKING FILTERING)	형석		
저전력 소모를 위한 피크 심장 박동 검출 시스템 및 그 방법(PEAK HEART BEAT DETECTION SYSTEM FOR LOW-POWER CONSUMPTION AND METHOD THEREFOR)	조준동 고형석	1010301700000	2011.04.12
Handheld terminal capable of supporting menu selection using dragging on touch screen and method of controlling the same	Jun-Dong, Cho and Gon, Kim Jae and Woo, Hwang Jin and Yang, Jin Duk	US Patent App. 12/363,861	2010
시선 인식을 이용한 풀 브라우징 방법 및 이를 적용한 휴대용 단말기(FULL BROWSING METHOD USING GAZE DETECTION AND HANDHELD TERMINAL PERFORMING THE METHOD)	진덕양 김희성 김우중 황진우 조준동	1010049300000	2010.12.22
근거리 디지털 데이터 송수신 장치(NEAR-DISTANCE DIGITAL DATA TRANCEIVING DEVICE)	권순태 김교석 전병구 김우중 조준동 홍병주 이승훈	1009910450000	2010.10.25
압전소자를 사용한 삽입형 제세동기의 전원 공급 장치 및 삽입형 제세동기(Power supply device of defibrillator using a Piezoelectric element and defibrillator having the power supply device)	김희성 전병구 김교석 진덕양 조준동	1009767210000	2010.08.12
터치 스크린의 드래그를 이용한 메뉴 선택을 지원하는 휴대용 단말 및 그 제어 방법(Handheld Terminal Supporting Menu Selecting Using Drag on the Touch Screen And Control Method Using Thereof)	조준동 김재곤 황진우 진덕양	1010044630000	2010.12.21
회로시험기능이 구비된 이동통신단말기와 그 제어방법 (mobile communication terminal having a circuit tester function and controlling method for the same)	조준동 박득현 고형석 김용준	1020100017227 (출원)	2010.02.25
	조준동 홍병주 김용준	<u>1020100011145</u>	<u>2010.02.05</u>

치과용 동영상 디지털 엑스선 영상 획득 시스템 (MOVING PICTURE DIGITAL X-RAY IMAGE ACQUISITION SYSTEM FOR DENTISTRY)		(출원)	
수평 필터와 수직 필터를 이용하는 파이프라인 구조의 디블록킹 필터 장치(Pipelined Deblocking Filter Using Two Filters Simultaneously)	조준동 황진우	1010048250000	2010.12.22
휴대폰과 이의 구동방법(MOBILE PHONE AND DRIVING METHOD THEREOF)	조준동 신청호 박세창 김 우중 김희성	1010000080000	2010.12.03
Multi-processor system on chip platform and dvb- t baseband receiver using the same	Cho, Jun-Dong and Shik, Koon and Lee, Seung Hoon and Kim, Jong Chul and Hong, Byung Joo and Lee, Suk Yun	US Patent App. 11/949,716	2009
UWB 칩을 기반으로 하는 MIMO MB-OFDM 방식의 무선 전력 전송 장치에서 통신 단말기로 전력을 전송하 는방법 및 이를 위한 무선 전력 전송 장치(Method for transmitting power from MIMO MB-OFDM wireless power transmission apparatus based on UWB chip to communication terminal and wireless power transmission apparatus thereof)	조준동 박세창 신청호 김 재곤 황진우	1009350170000	2009.12.23
낙뢰 예측 수단을 구비하는 네트워크 자동보호 시스템 (System protecting a network automatically with means forecasting lightning)	조준동 김용준	1020090016477 (출원)	2009.02.26
반도체 배선 경로 설정 방법 및 이를 실행하기 위한프로 그램을 기록한 기록 매체(Routing Method for forming interconnetion line and record medium recorded program for realizing the same)	조준동 김종철 아딜 에르 진 바체슬라브 잘류보프 스키	1008968010000	2009.04.30
멀티프로세서 SoC 플랫폼 및 이를 사용하는 DVB-T베 이스밴드 수신장치(MULTIPROCESSOR SoC PLATFORM AND DVB-T BASEBAND RECEIVING	조준동 이승훈 김종철 홍 병주 이숙윤 조균식	1008629180000	2008.10.06

APPARATUS)			
반도체 검출장치 및 검출방법(SEMICONDUCTOR DETECTING APPARATUS AND DETECTING METHOD)	조준동 김재곤 김교석	1008716150000	2008.11.26
배터리 잔량 측정 장치 및 방법(Apparatus and method for gauging remainder of battery)	신청호 김희성 조준동	1008735120000	2008.12.04
자동차 사고 정보 기록 장치 및 그 방법(Apparatus and Method for Recording Accident Information for Vehicle)	조준동 박세창 김재곤 김용준 황진우	1020080102049 (출원)	2008.10.17
자동차 개인정보 관리 시스템(Automobile Management System)	조준동 박세창 정경식 황진우 진덕양	1020080126157 (출원)	2008.12.11
영상 복호 방법 및 장치(video decoding method and device)	조준동 김재곤 황진우 김희성 박세창	1020080073101 (출원)	2008.07.25
케이블카드(CABLECARD)	이숙윤 조준동 김희성	1020070119087 (출원)	2007.11.21
멀티 프로세서를 이용한 프랙탈 스케일러블 비디오 코딩시스템 및 그것의 영상 신호 처리 방법(FRACTAL SCALABLE VIDEO CODING SYSTEM USING MULTI-PORCESSOR AND PROCESSING METHOD THEREOF)	김창선 차진종 윤병진 김재곤 최성훈 조준동 박제호 김교석 신청호	1020070091457 (출원)	2007.09.10
저전력 비터비 복호기(Low power viterbi decoder)	박선희 장영훈 류제혁 조준동	1005942140000	2006.06.21
역 히든 마르코브 모델(IHMM)을 이용한 정보 탐색방법 및 장치(Information search method and apparatus using InverseHidden Markov Model)	김보성 조준동 장영훈 박선희	1004462890000	2004.08.20
저전력 버스 반전 부호화방법(LOW POWER BUS REVERSION ENCODING METHOD)	김진우 조준동 장영훈	1004552740000	2004.10.22
Information search method and apparatus using Inverse Hidden Markov Model	Kim, Bo-Sung and Cho, Jun-Dong and Chang, Young-hoon and Park, Sun-Hee	US Patent 6,735,588	2004

Timing-driven global placement based on geometry-aware timing budgets	Cho, Jun-Dong and Kung, David S	US Patent 6,480,991	2002
적응형 디지털 필터(ADAPTIVE DIGITAL FILTER)	김재우 이재곤 유형석 김병욱 조연곤 조준동	1020000067312 (출원)	2000.11.14
비터비 디코더용 비교 선택 가산 장치 및 그 방법(CSA for Viterbi decoder and method therefor)	박현우 장영훈 류제혁 조준동	1020000000331 (출원)	2000.01.05