

SEONG-WHAN LEE

Hyundai-Kia Motor Chair Professor, IEEE Fellow

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Date of Birth: June 2, 1962
Citizenship: Korean

Brief Biography

Seong-Whan Lee is the Hyundai-Kia Motor Chair Professor at Korea University, where he is the head of the Department of Brain and Cognitive Engineering and the director of the Institute for Brain and Cognitive Engineering.

He received the B.S. degree in computer science and statistics from Seoul National University, Seoul, Korea, in 1984, and the M.S. and Ph.D. degrees in computer science from Korea Advanced Institute of Science and Technology in 1986 and 1989, respectively.

From February 1989 to February 1995, he was an Assistant Professor in the Department of Computer Science at Chungbuk National University, Cheongju, Korea. In March 1995, he joined the faculty of the Department of Computer Science and Engineering at Korea University, Seoul, Korea, and now he is the tenured full professor. In 2001, he stayed at the Department of Brain and Cognitive Sciences, MIT as a visiting professor.

A Fellow of the IEEE, IAPR, and Korean Academy of Science and Technology, he has served several professional societies as chairman or governing board member. He was the founding Co-Editor-in-Chief of the International Journal of Document Analysis and Recognition and has been an Associate Editor of several international journals: Pattern Recognition, ACM Trans. on Applied Perception, IEEE Trans. on Affective Computing, Image and Vision Computing, International Journal of Pattern Recognition and Artificial Intelligence, and International Journal of Image and Graphics.

His research interests include pattern recognition, computer vision, and brain engineering. He has more than 250 publications in international journals and conference proceedings, and authored 10 books.

Education

1989 Ph.D. in Computer Science, Korea Advanced Institute of Science and Technology
1986 M.S. in Computer Science, Korea Advanced Institute of Science and Technology
1984 B.S. in Computer Science and Statistics, Seoul National University

Employment

2015 – 2016 Visiting Professor, Max-Planck Institute for Biological Cybernetics
2013 - Director, BK21 Plus Global Leader Development Division in Brain Engineering
2011 - 2015 Director, Brain Imaging Center, Korea University
2010 - Fellow, IEEE
2009 - Fellow, Korean Academy of Science and Technology

2009 -
Hyundai-Kia Motor Chair Professor, Korea University

2009 -
Chairman, Department of Brain and Cognitive Engineering, Korea University

2009 - 2011
Chairman, Interdisciplinary Major in Brain and Cognitive Sciences, Korea University

2008 - 2013
Director, Institute for Brain and Cognitive Engineering, Korea University

2008 - 2013
Director, WCU Center on Brain and Cognitive Engineering

2006 - 2008
Deputy Dean, Graduate School of Computer and Information Technology, Korea University

2003 - 2010
Chairman, Interdisciplinary Graduate Program in Bioinformatics, Korea University

2001 -
Professor, Division of Computer and Communications Engineering, Korea University

2001 - 2002
Visiting Professor, Department of Brain and Cognitive Sciences, MIT

1999 - 2001
Chairman, Department of Computer Science and Engineering, Korea University

1998 -
Fellow, International Association for Pattern Recognition

1997 - 2008
Director, Center for Artificial Vision Research, Korea University

1996 - 1999
Chairman, Interdisciplinary Graduate Program in Visual Information Processing, Korea University

1995 - 2001
Associate Professor, Department of Computer Science and Engineering, Korea University

1989 - 1995
Assistant Professor, Department of Computer Science, Chungbuk National University

1989 - 1990
Post-Doctoral Fellow, Center for Pattern Recognition and Machine Intelligence, Concordia University

1987 - 1987
Visiting Researcher, Pattern Recognition Group, Delft University of Technology

Award and Service

2015-2017
President, Korean Society for Artificial Intelligence

2013
Outstanding Contribution Award, IEEE Systems, Man, and Cybernetics Society

2013
Kahun Academic Excellence Award, Korean Institute of Information Scientists and Engineers

2013-
Chair, TC on Brain-Machine Interface Systems, IEEE SMC Society

2013-2015
Vice President, Artificial Intelligence Society

2013-2014
Vice President, Korea Institute of Information Scientists and Engineers

2013
Outstanding Contribution Award Ministry of Education, Science and Technology

2013-2014
President, Korean Society for Cognitive Science

2012-
Vice President, Korean Society for Brain Engineering

2012
Scientist of the Month Award, Ministry of Education, Science and Technology

2012-2013
Vice President, IEEE Systems, Man and Cybernetics Society

2011
Lotfi Zadeh Best Paper Award, 2011 IEEE International Conference on Machine Learning and Cybernetics

2012-
President-Elect, Korean Society for Cognitive Science

2011-2012
Vice President, Korean Society for Cognitive Science

2010-2012
Distinguished Lecturer, IEEE Systems, Man, and Cybernetics Society

2010-2011
Fellows Evaluation Committee, IEEE Systems, Man, and Cybernetics Society

2010-2011
Fellows Evaluation Committee, IEEE Computer Society

2010-2011
IEEE Systems, Man, and Cybernetics Society Fellows Evaluation Committee

2010-
Fellow, IEEE

2009
Fellow, Korean Academy of Science and Technology

2009
Outstanding Contribution Award, 2009 IEEE International Conference on Machine Learning and Cybernetics

2009
Outstanding Research Award, College of Information and Communication, Korea University

2009-
Hyundai-Kia Motor Chair Professor, Korea University

2008
Outstanding Contribution Award, 2008 IEEE International Conference on Machine Learning and Cybernetics

2008
Distinguished Publication Contribution Award, Korea Information Science Society

2008-2010
Board of Governors, IEEE Systems, Man, and Cybernetics Society

2007-
Chairman, IEEE Systems, Man, and Cybernetics Society Korea Chapter

2003-
Associate Member, Korean Academy of Science and Technology

2003
Outstanding Contribution Award, Korea Information Science Society

2002
Best Paper Presentation Award, Korea Information Science Society

2001
Yonam Foreign Research Scholar Award, LG Yonam Foundation

2000-2002
Chairman, SIG on Computer Vision and Pattern Recognition of Korea Information Science Society

2000
Outstanding Achievement Award, 2000 International Conference on Neural Information Processing

2000
25th Annual Pattern Recognition Society Award, Pattern Recognition Society

2000
Outstanding Contribution Award, Korea Information Science Society

1998-2000
Chairman, TC-11 of International Association for Pattern Recognition

1998-
Governing Board Member, Korean Brain Society

1998-
Fellow, International Association for Pattern Recognition

1997-1999
Chairman, SIG on Neuro-Computing of Korea Information Science Society

1997
Creative Research Initiatives Award, Korean Ministry of Science and Technology

1996-
Governing Board Member, International Association for Pattern Recognition

1996-
Governing Board Member, Oriental Languages Computing Society

1996-2000
Governing Board Member, SIG on HCI of Korea Information Science Society

1996
Senior Member, IEEE Computer Society

1996
Outstanding Scholar Award, Korea Information Science Society

1995-1997
Vice-Chair, SIG on Neuro-Computing of Korea Information Science Society

1995-1997 Vice-Chair, SIG on Computer Vision and Pattern Recognition of Korea Information Science Society
 1994 Best Research Faculty Award, Chungbuk National University
 1993 Outstanding Young Researcher Award, 2nd International Conference on Document Analysis and Recognition
 1992-1998 Governing Board Member, SIG on Korean Language Computing of Korea Information Science Society
 1991-2000 Governing Board Member, SIG on Artificial Intelligence of Korea Information Science Society
 1986 Graduate Student Best Paper Award, Korea Information Science Society

Editorial Appointment

2010- Advisory Editorial Board Member, Paladyn: Journal of Behavioral Robotics
 2010- Area Editor, Pattern Recognition Journal
 2010- Associate Editor, IEEE Trans. on Affective Computing
 2010- Associate Editor, ACM Trans. on Applied Perception
 2009- Associate Editor, Image and Vision Computing Journal
 2006-2008 Editor-in-Chief, Journal of Korea Information Science Society: Software and Applications
 2002-2009 Associate Editor, International Journal on Document Analysis and Recognition
 2000- Associate Editor, International Journal of Image and Graphics
 1999-2001 Editor-in-Chief, Journal of Korean Cognitive Science Society
 1998-2002 Co-Editor-in-Chief, International Journal on Document Analysis and Recognition
 1997-2010 Associate Editor, Pattern Recognition Journal
 1996- Associate Editor, International Journal of Pattern Recognition and Artificial Intelligence
 1996-2006 Associate Editor, International Journal of Computer Processing of Oriental Languages

Major Conference Organization

- General Chair, 7th International Symposium on Brain and Cognitive Engineering, 2015
- General Co-Chair, 2015 Robotics: Science and Systems Conference, 2015
- Workshop Chair, 2015 Korea Computer Congress, 2015
- General Chair, 6th International Symposium on Brain and Cognitive Engineering, 2014
- Program Chair, 2014 Korea Computer Congress, 2014
- General Chair, 4th International Workshop on Pattern Recognition in Neuroimaging, 2014
- General Co-Chair, 2014 IEEE International Winter Workshop on Brain-Computer Interface, 2014
- General Chair, 2013 IEEE International Winter Workshop on Brain-Computer Interface, 2013
- General Chair, 2012 IEEE International Conference on Systems, Man, and Cybernetics (SMC), 2012
- Programme Chair, International Workshop on Pattern Recognition in NeuroImaging (PRNI), 2012
- General Co-Chair, 2011 IEEE International Workshop on Pattern Recognition in NeuroImaging (PRNI), 2011

- Technical Co-Chair, 2010 International Conference on Pattern Recognition (ICPR), 2010
- Program Co-Chair, 8th IEEE International Conference on Machine Learning and Cybernetics (ICMLC), 2009
- Track Co-Chair, 19th IAPR/IEEE International Conference on Pattern Recognition (ICPR), 2008
- General Chair, 2nd IAPR/IEEE International Conference on Biometrics (ICB), 2007
- Program Co-Chair, 18th IAPR/IEEE International Conference on Pattern Recognition (ICPR), 2006
- Organizing Chair, 8th IEEE International Conference Document Analysis and Recognition (ICDAR), 2005
- Organizing Chair, 6th IEEE International Conference on Automatic Face and Gesture Recognition (FGR), 2004
- Organizing Chair, 16th Workshop on Image Processing and Image Understanding (IPIU), 2004
- Workshop Co-Chair, 2nd IEEE International Workshop on Biologically Motivated Computer Vision (BMCV), 2002
- Workshop Chair, IAPR International Workshop on Pattern Recognition with Support Vector Machines (SVM), 2002
- Program Co-Chair, 7th International Conference on Neural Information Processing (ICONIP), 2000
- Workshop Chair, 1st IEEE International Workshop on Biologically Motivated Computer Vision (BMCV), 2000
- Program Co-Chair, 2nd International Conference on Multimodal Interface (ICMI), 1999
- Program Co-Chair, 5th IEEE International Conference on Document Analysis and Recognition (ICDAR), 1999
- Workshop Chair, 3rd IAPR International Workshop on Document Analysis Systems (DAS), 1998
- Program Chair, 6th International Workshop on Frontiers in Handwriting Recognition (IWFHR), 1998
- Organizing Chair, Korean Workshop on Face Image Processing and Understanding, 1997
- Program Chair, Korea Joint Conference on AI, Neural Networks and Fuzzy Systems, 1997
- Program Chair, International Conference on Computer Processing of Oriental Languages (ICCPOL), 1997
- Organizing Chair, Korean Workshop on Character Recognition, 1993
- Program Chair, 4th Workshop on Image Processing and Understanding, 1992
- Organizing Chair, Korean Conference of Artificial Intelligence, 1991-1992

Program Committee Member

- International Symposium on Visual Computing (ISVC), 2015
- International Joint Conference on Biometrics (IJCB) 2014
- International Conference on Intelligent Data Engineering and Automated Learning (IDEAL) 2013
- International Conference on Robot Intelligence Technology and Applications (RiTA), 2013
- China-Japan-Korea Joint Workshop on Neurobiology and Neuroinformatics (NBNI), 2012
- International Workshop on Depth Image Analysis (WDIA), 2012
- International Conference on Machine Learning and Cybernetics (ICMLC), 2012
- International Workshop on Pattern Recognition in NeuroImaging (PRNI), 2012
- Asia-Pacific Conference on Vision (APCV), 2012
- International Conference on Robot Intelligence Technology and Applications (RiTA), 2012
- International Workshop on Human Activity Understanding from 3D Data (HAU3D), 2012

- 8th International Symposium on Visual Computing (ISVC), 2012
- International Workshop on Human Activity Understanding from 3D Data (HAU3D), 2011
- Asian Conference on Pattern Recognition (ACPR), 2011
- International Workshop on Pattern Recognition in NeuroImaging (PRNI), 2011
- International Joint Conference on Biometrics (IJCB), 2011
- 20th International Conference on Pattern Recognition (ICPR), 2010
- 1st International Workshop on Human Behavior Understanding (HBU), 2010
- 1st CJK Joint Workshop on Pattern Recognition (CJKPR), 2009
- 16th International Conference on Neural Information Processing (ICONIP), 2009
- 8th IEEE International Conference on Machine Learning and Cybernetics (ICMLC), 2009
- 3rd IAPR/IEEE International Conference on Biometrics (ICB), 2009
- 10th IEEE International Conference on Document Analysis and Recognition (ICDAR), 2009
- 6th International Conference on Cognitive Science (ICCS), 2008
- 10th International Conference on Control, Automation, Robotics and Vision (ICARCV), 2008
- 8th IEEE International Conference on Automatic Face and Gesture Recognition (FGR), 2008
- ECAI Workshop on Cognitive Collaborative Appliances, 2008
- 3rd International Symposium on Visual Computing (ISVC), 2007
- 7th International Workshop on Pattern Recognition in Information System (PRIS), 2007
- 4th International Conference on Signal Processing, Pattern Recognition and Applications (SPPRA), 2007
- 20th International Workshop on Artificial Intelligence for Human Computing (AI4HC), 2007
- 1st IAPR/IEEE International Conference on Biometrics (ICB), 2006
- 1st International Conference on Computer Vision Theory and Applications (VISAPP), 2006
- 7th IEEE International Conference on Automatic Face and Gesture Recognition (FGR), 2006
- International Workshop on Human Activity Recognition and Modeling, 2005
- International Workshop on Biometric Recognition Systems, 2005
- 1st International Conference on Biometric Authentication (ICBA), 2004
- 17th IAPR/IEEE International Conference on Pattern Recognition (ICPR), 2004
- 6th Asian Conference on Computer Vision (ACCV), 2004
- 9th International Workshop on Frontiers in Handwriting Recognition (IWFHR), 2004
- 4th International Conference on Audio- and Video-based Biometric Person Authentication (AVBPA), 2003
- 7th IEEE International Conference Document Analysis and Recognition (ICDAR), 2003
- 2nd Asian Conference on Vision (ACV), 2002
- 5th Asian Conference on Computer Vision (ACCV), 2002
- 16th IAPR/IEEE International Conference on Pattern Recognition (ICPR), 2002
- IAPR International Workshop on Machine Vision Applications (MVA), 2002
- 8th International Workshop on Frontiers in Handwriting Recognition (IWFHR), 2002

- 5th IAPR International Workshop on Document Analysis Systems (DAS), 2002
- 1st Asian Conference on Vision (ACV), 2001
- 6th IEEE International Conference Document Analysis and Recognition (ICDAR), 2001
- 15th IAPR/IEEE International Conference on Pattern Recognition (ICPR), 2000
- 4th IAPR International Workshop on Document Analysis Systems (DAS), 2000
- IAPR International Workshop on Machine Vision Applications (MVA), 2000
- 4th Asian Conference on Computer Vision (ACCV), 2000
- 7th International Workshop on Frontiers in Handwriting Recognition (IWFHR), 2000
- 6th International Conference on Neural Information Processing (ICONIP), 1999
- International Conference on Computer Processing of Oriental Languages (ICCPOL), 1999
- 14th IAPR/IEEE International Conference on Pattern Recognition (ICPR), 1998
- IAPR International Workshop on Machine Vision Applications (MVA), 1998
- International Symposium on Internet Technology (ISIT), 1998
- 3rd Asian Conference on Computer Vision (ACCV), 1998
- 4th International Conference on Neural Information Processing (ICONIP), 1997
- International Conference on Computer Processing of Oriental Languages (ICCPOL), 1997
- 4th IEEE International Conference on Document Analysis and Recognition (ICDAR), 1997
- 13th IAPR/IEEE International Conference on Pattern Recognition (ICPR), 1996
- 5th International Workshop on Frontiers in Handwriting Recognition (IWFHR), 1996
- International Conference on Computer Processing of Oriental Languages (ICCPOL), 1995
- 3rd IEEE International Conference on Document Analysis and Recognition (ICDAR), 1995
- 12th IAPR/IEEE International Conference on Pattern Recognition (ICPR), 1994
- Korea-Japan Joint Workshop on Frontiers in Machine Vision, 1994
- 4th International Workshop on Frontiers in Handwriting Recognition (IWFHR), 1994
- 2nd IEEE International Conference on Document Analysis and Recognition (ICDAR), 1993
- 3rd International Workshop on Frontiers in Handwriting Recognition (IWFHR), 1992
- Pacific Rim International Conference on Artificial Intelligence (PRICAI), 1991

Keynote Speech and Tutorial

- “Brain-Computer Interface: Recent Progress and Challenges in Neuro-Rehabilitation”, The 28th International Conference on Industrial, Engineering & Other Applications of Applied Intelligent Systems”, COEX, 2015.06.11.
- “Brain-Computer Interface for Smart Vehicle: Detection of Braking Intention during Simulated Driving”, 14th Japan-China-Korea Joint Workshop NBNI 2014, Okazaki-city, Japan, Dec. 18-20, 2014.
- “Neuro-Rehabilitation Engineering Research with Brain-Machine Interface at Korea University, 1st International Workshop on Wearable Robotics, Baiona, Spain, Sep. 14-19, 2014.
- “Neuro-Rehabilitation Robot Technology Based on Brain and Cognitive Engineering”, 2014년 뇌와 인공지능 심포지엄, 정선, 서울, Feb. 19-20, 2014.
- “Human Brain Decoding: State of the Art and Future Challenges,” 4th IEEE International Conference on BioMedical Engineering and Informatics, Shanghai, China, Oct. 15-17, 2011.

- “Brain Decoding: New Challenges in Multidisciplinary Research,” 5th Joint Conference on Information and Communication Technology, Weihai, China, Aug. 18, 2011.
- “Machine Learning Challenges for Human Brain Decoding,” 2011 IEEE International Conference on Machine Learning and Cybernetics, Guilin, China, July 11, 2011.
- “Visual Information Processing Technology for Human Motion Analysis,” Joint Workshop on Neural Information Processing Winter School on Neural Computation, Muju, Korea, Jan. 22, 2011.
- “Human Brain Decoding - Research Issues and Directions,” 2nd IEEE Youth Conference on Information, Computing and Telecommunications, Beijing, China, Oct. 28, 2010.
- “Gesture Recognition,” WASEDA-SSSA-KIST Summer School, KIST, Seoul, Korea, Oct. 14, 2010.
- “Gesture Recognition,” 2009 Korus-Tech / SKKU-ICE Summer School on Cognitive Robotics, Vision and Human Robot Interaction for Consumer Robots, Sungkyunkwan University, Suwon, Korea, Aug. 10, 2009.
- “Recent Progress in Brain Activity Analysis,” Winter School on Neuroinformatics, Sogang University, Seoul, Jan. 30, 2009.
- “확률 기반 Perception”, 블루오션 인력양성 프로그램 단기과정, 네트워크기반 지능형 로봇, 한양대학교, 2008. 11. 29.
- “Mind, Brain, and Robot,” 2008 International Robot Software Competition, Aug. 30. 2008.
- “Publish or Perish: How to Prepare High Quality Papers?,” IEEE International Conference on Machine Learning and Cybernetics, Kunming, China, July 14, 2008.
- “마음을 읽는 기술: 뇌영상 자동 분석 및 판독”, 2008 Korea Computer Congress, 평창, 2008.7.2.
- “Automatic Gesture Recognition Research for Human-Robot Interaction,” 7th IEEE International Conference on Automatic Face and Gesture Recognition (FGR), England, Apr. 12, 2006.
- “Top-down Learning for Low Resolution Facial Image Restoration,” 5th Chinese Conference on Biometric Recognition, China, Dec. 13, 2004.
- “로봇의 눈으로 본 세상”, 2003년 KBS 크리스마스 과학콘서트, 2003.12.27.
- “비디오 감시 및 보안 기술: 현황 및 전망”, 한국정보과학회 컴퓨터비전 및 패턴인식 연구회 춘계 워크샵, 2003.5.31.
- “OpenEyes: Wearable Machine Vision Technologies for the Blind,” 2nd IEEE International Workshop on Biologically Motivated Computer Vision (BMCV), Germany, Nov. 24, 2002.
- “얼굴 인식 기술의 현황 및 전망”, 2002년 정보통신망 정보보호 워크샵, 2002.5.17.
- “Wearable Machine Vision Technologies for the Blind,” 1st Asian Conference on Vision (ACV), Japan, July 31, 2001.
- “얼굴 인식 기술: 이론 및 실제”, 한국정보과학회 생체인식 워크샵, 2001.2.23.
- “OpenEyes: A Wearable Machine Vision System”, 제11회 영상처리 및 이해에 관한 워크샵, 2001.1.10.
- “시각 장애인을 위한 착용형 컴퓨터 시스템 기술”, 한국정보과학회 컴퓨터비전 및 패턴인식 연구회 워크샵, 2000.6.3.
- “인간 시각의 능동적 정보 처리 원리에 기반한 객체 인식 모형”, 세계 한민족 과학기술자 종합 학술대회, 1999.7.8.
- “컴퓨터 시각 기술의 현황: 얼굴 인식 기술을 중심으로”, 한국 생물·생리심리학회 워크샵, 1999.4.17.
- International Workshop on Human Interface Technology (IWHIT), 1998.
- “내용 기반 영상 및 비디오 검색 기술 현황”, 한국정보과학회 인공지능연구회 워크샵, 1998.5.
- “팩스 문서 영상 처리 및 인식 기술 동향”, 제9회 영상 처리 및 이해에 관한 워크샵, 1997.1.
- “Document Analysis Recognition Technologies,” 12th International Computer Symposium, Taiwan, Dec. 8, 1996.

- “문자 인식의 기본 문제들”, 한국인지과학회 인지과학 워크샵, 1996.7.2.
- “통계적 방법론과 신경망 방법론의 비교”, 통계 신경망 워크샵, 1996.1.22.
- “국내에서의 문서 영상 인식 기술 연구의 현황”, 한독 문서 인식기술 워크샵, 1995.11.1.
- “오프라인 필기 인식 기술의 현황 및 전망”, 제2회 문자 인식 워크샵, 1994.8.
- “패턴 인식의 기본 이론”, 대한전자공학회 인공지능, 신경망 및 퍼지시스템연구회 워크샵, 1992.6.
- “골격화 알고리즘에 관한 사례 연구 및 성능 평가”, 제19회 한국정보과학회 춘계학술발표회, 1992.4.

Invited Talk

- “뇌-기계 인터페이스: 최신 연구 성과 및 도전”, 제 7 회 뇌인지공학 심포지엄, 고려대학교, 2015.07.31.
- “Brain Re-engineering for Wearable Robots”, 2015 Robotics: Science and Systems Conference, Rome, 2015.07.17.
- “Brain-Machine Interface: Recent Progress and Challenges in Robot-Assisted Rehabilitation”, 브레인-재활로봇중개연구 워크숍 초청 강연, 국립재활원, 2015.07.15.
- “뇌와 컴퓨터의 접속: 기술 현황 및 전망”, 세계일보 초청강연, 2015.06.08.
- “Brain-Computer Interfaces based on Non-invasive EEG Signals”, 한국인터넷진흥원 초청강연, 2015.05.28.
- “Robot-Assisted Rehabilitation with Brain-Machine Interface”, 대구경북과학기술원 로봇공학과 초청세미나, 2015.05.13.
- “Recent Progress in Brain-Computer Interfaces: A Pattern Recognition Perspective”, 데이터마이닝 학회, 2015.04.03.
- “Non-invasive Brain-Machine Interface for Neurorehabilitation Robot”, 서울대학교 의과대학 재활과학기술 심포지엄, 2015.01.27.
- “고려대학교 패턴인식 연구실 연구현황”, 조선대학교 컴퓨터공학과 초청세미나, 2014.10.02.
- “고려대학교 패턴인식 연구실 연구소개”, 네이버 초청세미나, 2014.09.26.
- “뇌-기계 인터페이스 기술의 이해”, 크라운해태제과 초청세미나, 2014.08.20.
- “Detection of Braking Intention in Diverse Situation during Simulated Driving based on EEG Feature Combination”, 6th International Conference on Brain and Cognitive Engineering
- “생각만으로 움직이는 세상: 뇌-컴퓨터 인터페이스 기술의 현황 및 전망”, 숙명여자대학교, 2014.05.08.
- “뇌-컴퓨터 인터페이스 기술: 생각만으로 움직이는 세상”, 한구연구재단 토요과학강연회, 2014.04.12.
- “Neuro-Driving: A Brain-Computer Interface for Smart Vehicle”, 프랑스한림원 초청세미나, 2014.04.08.
- “Neuro-Driving: A Brain-Computer Interface for Smart Vehicle”, INRIA, 2014.04.08.
- “뇌-컴퓨터 인터페이스 현황 및 전망”, 제6회 박문호의 자연과학 세상 뇌과학 심포지움, 2014.03.22.
- “생각만으로 움직이는 세상: 뇌-컴퓨터 인터페이스 기술의 현황 및 전망”, 서울대학교 치의생명과학과 초청세미나, 2014.03.11.
- “Neuro-Rehabilitation based on Brain-Computer Interface and Wearable Robotics”, 고려대학교 뇌공학콜로кви엄, 2014.03.03.
- “Neurorehabilitation Engineering Researches Based on Brain-computer Interface”, 분당서울대학교병원 재활의학과 10주년 기념 심포지엄 및 제 6 회 서울대학교 의과대학 재활의학교실 연수강좌, 2013.11.23.
- “뇌공학 기술의 현황 및 전망: 뇌-컴퓨터 인터페이스 기술을 중심으로”, ETRI SW포럼, 2013.10.21.
- “Neurorehabilitation Engineering Researches Based on Brain-computer Interface”, 분당서울대학교병원 재활

의학과 10주년 기념 심포지엄 및 제6회 서울대학교 의과대학 재활의학교실 연수강좌, 2013.11.23.

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