

Curriculum Vitae (이력서)

(2012 년 3 월 17 일자)

Personal information

Name: **Min, Byoung-Kyong (민병경:閔丙京)**
Current position: **Assistant Professor**
(고려대학교 뇌공학과 조교수)
Department of Brain & Cognitive Engineering
Korea University, Seoul, Korea
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Web-site: http://mind21.net



Research Interest (연구 관심 분야)

Brain-Mind Interface (뇌-마음 인터페이스), Neuro-Technology interface
(EEG/MEG/MRI/NIRS), EEG-Ultrasound-based **Brain-Brain Interface**,
Consciousness

Publications (발표 논문)

Journal articles

1. Yoo SS, Kim HM, **Min BK**, Franck E, Park SS, 'Transcranial focused ultrasound to the thalamus alters anesthesia time in rats' *Neuroreport*, 22 (15), Oct 2011, pp. 783-787 (초음파가 마취(의식)에 미치는 영향 연구: [SCI 저널](#))
2. **Min BK**, Kim SJ, Park JY, Park HJ, 'Prestimulus top-down reflection of obsessive-compulsive disorder in EEG occipital alpha and frontal theta oscillations' *Neuroscience Letters*, 496, May 2011, pp. 181-185 (자극 전 뇌파의 강박증 반영 연구: [SCI 저널](#))
3. Bystritsky A, Korb AS, Douglas PK, Cohen MS, Melega WP, Mulgaonkar AP, Desalles A, **Min BK**, Yoo SS, 'A review of low intensity focused ultrasound pulsation' *Brain Stimulation*, 4 (3), 2011, pp. 125-136 (초음파를 이용한 신경 기능 제어 해설 논문: [SCI 저널: IF 4.964](#))
4. **Min BK**, Bystritsky A, Jung KI, Fischer K, Zhang Y, Maeng LS, Park SI, Chung YA, Jolesz FA, Yoo SS, 'Focused ultrasound-mediated suppression of chemically-induced acute epileptic EEG activity' *BMC Neuroscience*, 2011, 12:23 (a highly-accessed article: 초음파를 이용한 간질 제어 연구: [SCIE 저널: IF 3.09: Top10%저널](#))

5. **Min BK**, Yang PS, Bohlke M, Park SS, Vago DR, Maher TJ, Yoo SS, 'Focused ultrasound modulates the level of cortical neurotransmitters: Potential as a new functional brain mapping technique' *International Journal of Imaging Systems and Technology*, 21 (2), 2011, pp. 232-240 (**초음파가 신경전달물질에 미치는 영향 연구: SCI 저널**)
6. Yoo SS, Bystritsky A, Lee JH, Zhang Y, Fischer K, **Min BK**, McDannold N, Pascual-Leone A, Jolesz F, 'Focused ultrasound modulates region-specific brain activity' *NeuroImage*, 56 (3), 2011, pp. 1267-1275 (**초음파의 신경 기능 제어 연구: SCI 저널: IF 5.739: Top10%저널**)
7. Yoo SS, Bystritsky A, Lee JH, Zhang Y, Fischer K, **Min BK**, McDannold N, Jolesz F, Pascual-Leone A, 'TMS1.1 Noninvasive brain stimulation using focused ultrasound' *Clinical Neurophysiology*, 122, 2011, pp. S52-S53
8. **Min BK**, Marzelli M, Yoo SS, 'Neuroimaging-based approaches in brain-computer interface' *Trends in Biotechnology*, 28 (11), November 2010, pp. 552-560 (**a cover-featured article: 뇌영상 기반 뇌-컴퓨터 인터페이스 해설 논문: SCI 저널: IF 9.644: Top10%저널**)
9. Park HD, **Min BK**, Lee KM, 'EEG oscillations reflect visual short-term memory processes for the change detection in human faces' *NeuroImage*, 53 (2), 2010, pp. 629-637 (**얼굴 인식과 기억과 관련된 뇌파 연구: SCI 저널: IF 5.739: Top10%저널**)
10. **Min BK**, Park HJ, 'Task-related modulation of anterior theta and posterior alpha EEG reflects top-down preparation' *BMC Neuroscience*, 2010, 11: 79 (**뇌파의 알파파와 세타파의 하향적 정보 처리 반영 연구: SCIE 저널: IF 3.09: Top10%저널**)
11. **Min BK**, 'A thalamic reticular networking model of consciousness' *Theoretical Biology & Medical Modelling*, 2010, 7: 10 (**a highly-accessed article; Top 5 most viewed articles in the journal; This article will be cited in 'Meditating Selflessly' by the MIT press: '의식'에 대한 뇌과학적 이론: MIT 책에 인용됨: SCIE 저널**)
12. **Min BK**, 'Spectral analysis of brain oscillatory activity' *Korean Journal of Cognitive Science*, 20 (2), June 2009, pp. 155-181 (**뇌파의 주파수축 분석법에 관한 한국 인지과학회지 해설 논문: 학술진흥재단 등재지**)
13. **Min BK**, Park JY, Kim EJ, Kim JI, Kim JJ, Park HJ, 'Prestimulus EEG alpha activity reflects temporal expectancy' *Neuroscience Letters*, 438 (3), June 2008, pp. 270-274 (**시간적 기대감에 관한 뇌파 연구: SCI 저널**)
14. Herrmann CS, Pauen M, **Min BK**, Busch NA, Riger JW, 'Analysis of a choice-reaction task yields a new interpretation of Libet's experiments' *International Journal of Psychophysiology*, 67 (2), February 2008, pp. 151-157 (**자유 의지에 관한 뇌파 연구: SCI 저널: IF 3.045**)

15. **Min BK**, Herrmann CS, 'Prestimulus EEG alpha activity reflects prestimulus top-down processing' *Neuroscience Letters*, 422 (2), July 2007, pp. 131-135
(자극 전 뇌파가 자극 후 행동 반응을 반영한다는 연구: [SCI 저널](#))
16. **Min BK**, Busch NA, Debener S, Kranczoch C, Hanslmayr S, Engel AK, Herrmann CS, 'The best of both worlds: phase-reset of human EEG alpha activity and additive power contribute to ERP generation' *International Journal of Psychophysiology*, 65 (1), July 2007, pp. 58-68 (사건 관련 뇌파 전위의 발생 메커니즘 연구: [SCI 저널: IF 3.045](#))
17. Choi JM, Bae BH, **Min BK**, Kim SY, 'The analysis of brain activity in wakefulness and deep sleep states from a dog EEG' *Journal of the Korean Physical Society*, 30 (2), April 1997, pp. 328-333 ([SCI 저널](#))

Book chapter and Booklet

1. Herrmann CS, Pauen M, **Min BK**, Busch NA, Rieger J, 'Eine neue interpretation von Libets experimenten aus der analyse einer wahlreaktionsaufgabe' In Herrmann CS, Pauen M, Rieger J, Schicktanz S (ed.), "*Bewusstsein (Consciousness)*", pp. 120-134, Utb. 2005 (ISBN 3-8252-2686-7) (['의식'에 대한 독일어 책](#))
2. **Min BK**, 'MIND' (Neuroscience E-book in Korean PDF version), Mind21, 2000 (ISBN 89-89350-00-X) ([일반인을 위한 뇌과학 전자책](#))
3. 신경인문학(Neuro-Humanities): 융합 학문의 최전선, 5-1 장 'Brain-Computer Interface 기술의 현재와 미래' (출간 예정)

Abstracts and Conference proceedings

1. **Min BK**, Park JY, Kim ES, Jung YC, 'Bright and warm lightning reduces parietal EEG alpha activity during the continuous performance task' The 30th International Congress of Psychology, Cape Town, South Africa, July 2012
2. **Min BK**, Park JY, Kim ES, Jung YC, 'Bright lightning reduces frontal EEG theta activity during the Sternberg memory task' The 16th annual meeting of the Association for the Scientific Study of Consciousness, Brighton, UK, July 2012
3. Yoo SS, Pascual-Leone A, **Min BK**, Fischer K, Yang PS, Jolesz F, 'Computer-controlled, image-guided focused ultrasound system for neuromodulation' The 7th World Stroke Congress, Seoul, Korea, October 2010
4. Yoo SS, Bystritsky A, Lee JH, Zhang Y, **Min BK**, Fischer K, McDannold N, Jolesz F, Pascual-Leone A, 'Localized Modulation of Brain Function using Pulsed Low-intensity Focused Ultrasound' The 16th Annual Meeting of *Human Brain Mapping*, Barcelona, Spain, June 2010, p. 4
5. **Min BK**, Kim SJ, Park JY, Park HJ, 'Prestimulus top-down reflection of obsessive-compulsive disorder in EEG frontal theta and occipital alpha bands' The 39th Annual Meeting of *Society for Neuroscience*, Chicago, USA, October 2009
6. **Min BK**, Park HJ, 'EEG frontal alpha and occipital gamma activities of congenitally blind subjects during mental rotation' The 23rd Annual Conference of *The Korean Society for Cognitive Science*, Seoul, Korea, May 2009;

Printed in 'Proceedings of the Korean Society for Cognitive Science Conference', May 2009

7. **Min BK**, Kim JJ, Park HJ, 'Prestimulus EEG frontal theta and occipital alpha activities reflect prestimulus top-down processing' The 16th Annual Meeting of *Cognitive Neuroscience Society*, San Francisco, USA, March 2009; Printed in 'Cognitive Neuroscience Society Annual Meeting Program 2009' (A supplement of the *Journal of Cognitive Neuroscience*) p. 71 (B46)
8. **Min BK**, Han KJ, Min JH, Kim JH, Park HJ, 'Frontal N270 and decision making on a social contextual task' The 11th Conference of *Korean Society for Human Brain Mapping*, Seoul, Korea, Nov 2008 (**사회적 맥락이 의사 결정에 미치는 뇌파 연구**)
9. Park BH, **Min BK**, Park HJ, 'Plasticity of neural networks for working memory processing in the congenitally blind' The 11th Conference of *Korean Society for Human Brain Mapping*, Seoul, Korea, Nov 2008
10. **Min BK**, Lee DH, Park SY, Kim JI, Park HJ, 'Prestimulus EEG theta activity reflects prestimulus top-down inhibitory processing' The 11th Conference of *Korean Society for Human Brain Mapping*, Seoul, Korea, Nov 2008
11. Kim JI, **Min BK**, Park HJ, 'Sleep in congenital blind and normal subjects: analyses of spectral power and sLORETA' The 11th Conference of *Korean Society for Human Brain Mapping*, Seoul, Korea, Nov 2008
12. Lee NY, Lee YJ, **Min BK**, Kim JH, Park HJ, 'What happens in your brain when you look at newspaper company logos: An event-related potential study' The 11th Conference of *Korean Society for Human Brain Mapping*, Seoul, Korea, Nov 2008(**신문 제호가 기사 제목에 미치는 프레임 효과에 관한 뇌파 연구**)
13. **Min BK**, Park JY, Kim SJ, Park HJ, 'The relationship between prestimulus EEG alpha activity and top-down inhibitory processing in obsessive-compulsive disorder patients' The 38th Annual Meeting of *Society for Neuroscience*, Washington, DC, USA, November 2008
14. Lee DH, Park JY, **Min BK**, Park HJ, 'The difference of EEG gamma oscillation between consonant and dissonant chord' The 38th Annual Meeting of *Society for Neuroscience*, Washington, DC, USA, November 2008 (**음악에서의 화음과 비화음의 뇌파 연구**)
15. **Min BK**, Park HJ, 'EEG alpha and gamma activity in congenitally blind subjects during mental rotation' The 10th International Conference on Cognitive Neuroscience, Bodrum, Turkey, September 2008
16. **Min BK**, Lee JH, Han KJ, 'EEG alpha activity reflects social contextual processing during a color-matching task' The 6th International Conference of Cognitive Science, Seoul, Korea, July 2008 (**사회적 맥락과 뇌파 연구**)
17. **Min BK**, Kim JI, Seo BS, Chun JW, Park HI, Kim JJ, Park HJ, 'Involvement of the visual association cortex in congenitally blind subjects during mental imagery' The 6th International Conference of Cognitive Science, Seoul, Korea, July 2008
18. **Min BK**, Kim JJ, Park HJ, 'Prestimulus EEG alpha activity reflects temporal expectancy' The 15th Annual Meeting of *Cognitive Neuroscience Society*, San Francisco, USA, April 2008; Printed in 'Cognitive Neuroscience Society Annual Meeting Program 2008' (A supplement of the *Journal of Cognitive Neuroscience*) p. 48 (A110)

19. **Min BK**, Kim JI, Kim JJ, Park HJ, 'Expectation in prestimulus EEG alpha activity' The 9th Conference of *Korean Society for Human Brain Mapping*, Seoul, Korea, Nov 2007; Printed in 'The Autumn Conference of Korean Society for Human Brain Mapping' p. 37
20. **Min BK**, Busch NA, Debener S, Engel AK, Herrmann CS, 'Evoked Visual Alpha activity reflects Cognitive processing' The 11th Annual Meeting of *Cognitive Neuroscience Society*, San Francisco, USA, April 2004; Printed in 'Cognitive Neuroscience Society Annual Meeting Program 2004' (A supplement of the *Journal of Cognitive Neuroscience*) p. 81 (B141)
21. **Min BK**, Busch NA, Debener S, Engel AK, Herrmann CS, 'Differentiating Evoked and Induced Visual Alpha activity by Exogenous parameters' The 14th *Evoked Potentials International Conference (EPIC XIV)*, University of Leipzig, Germany, March 2004; Printed in 'Evoked Potentials International Conference XIV: Leipzig Series in Cognitive Sciences 5' (A. Widmann et al., eds) p. 110 *Leipziger Universitätsverlag*
22. **Min BK**, Kim MS, Youn T, Kim JJ, Kwon JS, 'Event-Related Potentials of a Linguistic Binding Process in a Korean Monosyllabic Word' The 32nd Annual Meeting of *Society for Neuroscience*, Orlando, USA, November 2002; Published at online *2002 Abstract Viewer/Itinerary Planner*. Program No. 279.7. Washington, DC: Society for Neuroscience (**한국어의 언어적 결합에 관한 뇌파 연구**)
23. **Min BK**, Kim MS, Youn T, Kim JJ, Kwon JS, 'Event-Related Potentials of a Monosyllabic Word' The 16th Annual Conference of *The Korean Society for Cognitive Science*, Busan, Korea, May 2002; Printed in 'Proceedings of the Korean Society for Cognitive Science Conference', May 2002, pp. 211-215
24. **Min BK**, Park HJ, Kang DH, Youn T, Kim MS, Kwon JS, 'Time-frequency analysis of 40Hz in oddball paradigm in schizophrenia: Preliminary study' The 44th Annual conference of *Korean Neuropsychiatric Association*, Seoul, Korea, October 2001

Educations

2003 Jan-2007 Jul	Ph.D. in Psychology (Advisor: Prof. Dr. Christoph Herrmann) Department of Biological Psychology, Institute for Psychology Otto-von-Guericke University Magdeburg, Germany (독일 막데부르크 대학교 생물 심리학 박사: 인지 신경과학, 뇌파(EEG))
1997 Sep-1998 Jun	M.Sc. in Neurobiology and Physiology (Advisor: Prof. Fred Turek, Ph.D.), Department of Neurobiology and Physiology (NSF Bio-timing Lab.), Northwestern University , The Graduate School, IL, USA (미국 노스웨스턴 대학교 신경 생물학 및 생리학 석사: 미국 과학재단 지정 생체 시계 연구실)
1990 Mar – 1994 Feb	Seoul National University, Korea B.S. (Forest Science/ Chemistry)

Ph.D./M.Sc. Theses

1. **Min BK**, 'The top-down function of prestimulus EEG alpha activity' (*Magdeburg University* (Germany), Department of Biological Psychology, Ph.D. Thesis: July 4, 2007) (**박사 학위: 뇌파의 하향적 정보 처리 반영 연구**)
2. **Min BK**, 'Light-induced Synchronization of the Suprachiasmatic Neural Network: Converting Glutamate to GABA' (*Northwestern University* (USA), The Graduate School, Department of Neurobiology and Physiology, M.S. Thesis: June 19, 1998) (**석사 학위: 뇌의 생체 시계 기능 연구**)

Research Experiences

2011 Sep- 2012 Feb	Research Assistant Professor, Institute of Behavioral Sciences in Medicine Yonsei University, College of Medicine (Severance Hospital), Seoul, Korea
2011 May- 2011 Aug	Research fellow, Institute of Behavioral Sciences in Medicine Yonsei University, College of Medicine (Severance Hospital), Seoul, Korea
2009 Nov- 2011 Mar	Research fellow (Department of Radiology) Harvard Medical School, Brigham and Women's Hospital 75 Francis street, Boston, MA 02115, USA (미국 하버드 의대 연구원)
2007 Oct-2009 Sep	Post-doctoral fellow (Advisor: Prof. Jae-Jin Kim, Prof. Hae-Jeong Park) Brain Korea 21 project for Medical Science (Neuroscience unit), Yonsei University, College of Medicine (Severance Hospital), Seoul, Korea (세브란스 병원 박사후 전문 연구원)
2002 Jul-Aug	DAAD-KOSEF Summer Research Institute Program Otto-von-Guericke University Magdeburg, Germany
2001 Sep- 2002 Nov	Interdisciplinary Program in Cognitive Science (Advisor: Prof. Jun-Soo Kwon, M.D., Ph.D.) Seoul National University, Korea (서울대 인지과학 박사과정: 지도교수 - 서울의대 권준수 교수)
2001 May- 2003 May	Neuroscience Research Institute, Medical Research Center College of Medicine, Seoul National University, Korea (서울대 의대 신경과학연구소 연구원)
2001 Mar- 2002 Aug	Clinical Research Institute Seoul National University Hospital, Korea
1996 summer	Johns Hopkins University, MD, USA The Zanvyl Krieger Mind/Brain Institute (Short-term visiting 'computational neuroscience lab')
1996 Mar-Aug	Korea Advanced Institute of Science and Technology (KAIST) Department of Physics, Brain Lab. (Advisor: Prof. Soo-Yong Kim, Ph.D.)

Other Professional Experiences and Activities

2012 년도 1 학기	고려대학교 뇌공학과 ‘신경과학’ 대학원 수업
2012 년도 1 학기	고려대학교 정보통신대학 뇌인지과학 연계전공 ‘뇌 및 인지과학의 이해’ 학부 수업
2012 년도	한국 인지과학회 홍보이사 한국 뇌공학회 국제협력 이사
2012 - present 2011 2 nd semester	한국과학기술기획평가원(KISTEP) 중장기 발전 전략 위원 (뇌과학 분야) <i>Lecture (Class: Advanced Cognitive Science Seminar) – graduate course, Instructor, Department of Communication Science Konkuk University, Seoul, Korea</i> (건국대 커뮤니케이션과 시간강사: ‘고급 인지 과학 세미나’)
2010-2011	Mentoring students for <i>Senior Design Project</i> at Boston University (Department of Biomedical Engineering), Boston, USA (미국 Boston 대학 의공학과 학생 지도)
2009 2 nd semester	<i>Lecture (Class: Methodology of Cognitive Science)– graduate course (team teaching), Instructor, Interdisciplinary Program in Cognitive Science, Seoul National University, Seoul, Korea</i> (서울대 인지과학 협동과정 시간강사: ‘인지과학 방법론’)
2008 2 nd semester	<i>Lecture (Class: Cognitive Neuroscience Seminar) – graduate course Instructor, Interdisciplinary Program in Cognitive Science SungKyunKwan University, Seoul, Korea</i> (성균관대 인지과학 협동과정 시간강사: ‘인지 신경과학 세미나’)
2008 1 st semester	<i>Lecture (Class: Brain, Mind & Behavior) – undergraduate course Instructor, Department of Psychology SungKyunKwan University, Seoul, Korea</i> (성균관대 심리학과 시간강사: ‘뇌, 마음 그리고 행동’)

Review Activity for the following International Journals

(국제 뇌/신경과학/인지과학 학술지 논문 심사 위원 활동)

NeuroImage
BMC Neuroscience
Journal of Cognitive Science

Honors, Scholarships, Fellowships and other Activity

2011 Feb	Being listed for inclusion in ‘ Marquis Who’s Who in America 2012 ’ (2012 Marquis Who’s Who 미국 인명 사전 등재)
2010 Nov	Honored as ‘Gerald J. Friedman Fellow ’, Friedman Diabetes Institute, Beth Israel Medical Center, New York, USA

- (2010 년 미국 '제럴드 프리드만 펠로우'로 선정됨)
- 2007 Nov Award in oral presentation,
The 9th Conference of *Korean Society for Human Brain Mapping*
- 2007 Jul Magna-cum-laude Graduation (Magdeburg University, Germany)
- 2002 Jul **DAAD-KOSEF Scholarship** (Summer Institute Program)
DAAD (Deutscher Akademischer Austausch Dienst) and
KOSEF (Korea Science and Engineering Foundation) Joint-Program
- (독일 교육부-한국 과학재단 교류 프로그램 선정)
- 2000 Dec **Award at the Korea Digital Contents Contest**, SoftExpo 2000
Ministry of Information and Communication, Korea
- (정보통신부 주최 한국소프트웨어진흥원 주관 제 1 회 디지털컨텐츠
대전 입선: '민병경의 재미있는 뇌과학 이야기')
- 1993 Sep Superior Scholarship (Seoul National University, Korea)

Invited talks

- 2012 March 한국 뇌공학회 창립 총회
- 2012 February 인지/융복합단 모임, 한국연구재단
- 2012 February 전남대 심리학과 (박태진 교수님 연구실)
- 2012 February SungKyunKwan University, Seoul, Korea
Department of Interaction Science (Prof. Kwang-Soo Cho)
- 2012 February Yonsei University, College of Medicine, Seoul, Korea
Department of Psychiatry (Prof. Suk-Kyoon An)
- 2012 February 한림의대 생리학 교실 (신형철 교수님 연구실)
- 2011 December Korea University, Seoul, Korea
Department of Psychology (Prof. Hyun-Taek Kim)
- 2011 December 한국과학기술기획평가원(KISTEP) 기술 영향 평가 시민포럼
- 2011 December Yonsei University, College of Medicine, Seoul, Korea
Department of Pharmacology (Prof. Dong-Goo Kim)
- 2011 December The annual conference of the Korean Society of Stress Medicine,
Seoul, Korea (invited as a guest speaker)
- (대한스트레스학회 학술대회: 초청강연)
- 2011 November 신경인문학연구회 강연
- 2011 November The 30th annual conference of Acoustical Society of Korea, Daejeon,
Korea (invited as a guest speaker)
- (제 30 회 한국 음향학회 학술대회: 초청강연)
- 2011 August Brain and Cognition Measurement Lab (Dr. Yong-Ho Lee)
Korea Research Institute of Standards and Science, Daejeon, Korea
- 2011 July EPS International Congress on Radiology and Nuclear Medicine,
Nanjing, China (invited as a guest speaker)
- 2011 March **Special Seminar**, Martinos Center, Massachusetts General Hospital,

- Harvard Medical School**, Boston, USA (**하버드 의대 특별 세미나**)
- 2011 June International Conference and Exhibition on Proteomics & Bioinformatics, Hyderabad, India (invited as a guest speaker)
- 2011 May BIT Life Sciences' 2nd Annual Congress of NeuroTalk (NeuroTalk-2011), Dalian World EXPO Center, China (invited as a guest speaker)
- 2010 June The 2010 Annual Meeting of Radiology and Nuclear Medicine of China, Yichang, China (invited as a guest speaker)
- 2009 Korea Institute of Science and Technology, Seoul, Korea
September Center for Neural Science (Dr. Ji-Hyun Choi)
- 2009 SungKyunKwan University, Seoul, Korea
September Class: Language and Mind (Prof. Myung-Won Choi)
- 2009 July Korea Computer Congress 2009, Jeju, Korea
- Intelligence-Language-Vision-Bio association workshop**
Korea Information Science Society
- 2009 June Hankuk University of Foreign Studies, Seoul, Korea
Linguistics and Cognitive Science (Prof. Jong Sup Chun)
- 2009 Apr Korea University, Seoul, Korea
Department of Psychology (Prof. Chai-Youn Kim)
Cognitive Neuroscience Colloquium
- 2008 Dec Hankuk University of Foreign Studies, Seoul, Korea
Linguistics and Cognitive Science (Prof. Jong Sup Chun)
- 2008 Dec Workshop #2: 'Oscillations in Human Electrophysiology'
The 11th Annual Meeting of **The Korean Society for Brain and Neural Science**, Seoul, Korea
- (제 11 회 한국 뇌신경과학회 학술대회: 뇌파 분야 워크숍 강의)**
- 2008 Aug Brain and Cognition Measurement Lab (Dr. Yong-Ho Lee)
Korea Research Institute of Standards and Science, Daejeon, Korea
- 2008 May National Institute of Scientific Investigation, Seoul, Korea
- 2008 May Yonsei University, Seoul, Korea
Graduate program in Cognitive Science (Prof. Sang Chul Chong)
- 2008 Apr Yonsei University, Seoul, Korea
Department of Communication
Human Communication Lab. (Prof. Joohan Kim)
- 2008 Mar Seoul National University, Korea
Institute for Cognitive Science (Prof. Kyung-Min Lee)
- 2008 Jan 2007/2008 Winter workshop (Sogang University) of Korean Students
Association of Cognitive Science
- 2007 Nov Yonsei University, College of Medicine, Seoul, Korea
Department of Pharmacology (Prof. Dong-Goo Kim)
- 2007 Oct Ewha womans University, Korea
Department of Life Science
Behavior and Ecology Lab. (Prof. Jae-Chun Choi)
- 2007 Oct Seoul National University Hospital, Korea
MEG Center (Prof. Chun-Kee Chung)
- 2007 Sep Seoul National University Hospital, Korea
Clinical Cognitive Neuroscience Center (Prof. Jun-Soo Kwon)
- 2007 Sep Yonsei University, College of Medicine, Seoul, Korea
Research Institute of Radiological Science
Molecular Neuroimaging Technology Lab. (Prof. Hae-Jeong Park)

2002 Jun Sogang University, Seoul, Korea
Language Lab. (Prof. Sook-Hwan Cho)

1999 Apr Korea Advanced Institute of Science & Technology, DaeJon, Korea
Brain Lab. (Prof. Soo-Yong Kim)

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