Jing JIN
Professor at the East China University of Science and Technology
Head of the Lab for Brain-Computer Interfaces and Control
Chair of the Department of Automation, School of information science and
Technology, East China University of Science and Technology
IEEE Senior Member

Office Address
Yifu Building 1105A, 130 Meilong Road, Xuhui District Shanghai, 200237, P. R. China

Phone Number
Tel: +86 (0) 21 64253808, Fax: +86 (0) 21 64253386

Email Address
Jinjingat@gmail.com, Jinjing@ecust.edu.cn

Personal homepage
http://jinjingbraincomputerinterface.weebly.com/

Education

Ph.D.   Engineering, 2010
          East China University of Science and Technology, Shanghai, China, 2006.9-2008.8
          Technische Universität Graz, Graz, Austria, 2008.9-2010.6
          Advisor in China: Prof. Xingyu Wang
          Joint Advisor in Austria: Prof. Gert Pfurtscheller, Prof. Christa Neuper

M.S.   Engineering, 2006
          East China University of Science and Technology, Shanghai, China
          Research Advisor: Prof. Xingyu Wang

B.S.   Engineering, 2004
          Hunan University of Science and Technology, Hunan, China

Experience

Chair /Full Professor   3/2015-present
          Chair of the Department of Automation (5/2017- present)
          Head of the Lab for Brain-Computer Interfaces and Control
          School of Information Science and Technology, East China University of Science and
          Technology

Deputy Head/ Associate Professor   9/2013 to 3/2015

Deputy head of the Lab for Brain-Computer Interfaces and Control
School of Information Science and Technology, East China University of Science and
Technology

Researcher/ Assistant Professor   7/2010 to 8/2013

School of Information Science and Technology, East China University of Science and
Technology

Honors and Awards (reverse chronological order)

- Reviewer of the year, Journal of Neural Engineering, 2016
- Outstanding reviewer, Biological Psychology, 2016
- Excellent Researchers award, East China University of Science and Technology, (2013, 2016);
- School academic exchange award (twice), East China University of Science and Technology, (2015, 2016)
- The third prize of Teaching Award for graduate students, East China University of Science and Technology, 2016
- Outstanding teacher (scientific research contribution award), East China University of Science and Technology, 2015
- Youth excellence program, East China University of Science and Technology, 2015
- Outstanding reviewer, Journal of Neuroscience Methods, 2014, 2015
- Outstanding reviewer, Computers in Biology and Medicine, 2015
- Excellent Doctoral Dissertation, East China University of Science and Technology, 2010

Patents

"Finger movement rehabilitation system Based on brain computer interface"; Jing Jin, Siejie Zhou, Xingyu Wang, CN201611061234.2; 2017 (Pending)

"Moving eye" assistive system for disabled patients based on brain computer interface"; Jing Jin, Yu zhang, Siejie Zhou, Xingyu Wang, 201510244386.5; 2017 (issued)

Funding Sources/Grants Awarded

Current –

"Visual-based Brain-computer interface for patients," Me (PI), National Natural Science Foundation of China (2016.1 – 2019.12), ¥0.72 million.

"Muti-channel system for brain computer interface," Me (PI), Fundamental Research Funds for the Central Universities (2016.1 – 2018.12), ¥0.9 million.

Expired   -

"Brain-computer interface based on multi-event-related potentials evoked by visual stimulus," Me (PI), National Natural Science Foundation of China (2013.1 – 2015.12), ¥0.24 million.

"Visual evoked-based BCI system," Me (PI), Fundamental Research Funds for the Central Universities (2014.1 – 2015.12), ¥0.2 million.

"Optimized P300 brain-computer interface and its application based on intelligent system," Me (PI), Fundamental Research Funds for the Central Universities (2012.1 – 2014.12), ¥0.12 million.

Professional Outreach and Professional Society Service (including Conference Organization, Session Chairing)

- Editor Board Member, "Journal of Neuroscience methods", 2018-present
- Candidate of BCI society Board Member
- The 2017 Jury Member of BCI award
- Visiting scientist, RIKEN, Brain Science institute (2012, 2015, 2016)
- Guest Editor, "Computational Intelligence and Neuroscience", 2016
- Associate Editor, "Brain computer interfaces", 2015-present
- "Session chair of BCIs for Movement Rehabilitation and Consciousness Assessment in HCI International 2017", Vancouver, Canada, 9 - 14 July 2017, Vancouver Convention Centre, Brendan Z. Allison, Vivek Prabhakaran, Jing Jin, Günter Edlinger, Ning Jiang, Natalie Mrachacz-Kersting, Sonja Kleih
- "PC member" 7th Graz Brain-Computer Interface Conference 2017, September 18th – 22nd, 2017, Graz, Austria, https://www.tugraz.at/institute/ine/graz-bci-conferences/graz-bci-conference-2017/committees/
- "Chair" 2017 Workshop on Brain Control System and Computational Neuroscience, May 24th, 2017
- "Chair" 2016 Workshop on Brain Control System and Computational Neuroscience, May 14th, 2016
- "Publicity Committee" International Brain-Computer Interface (BCI) Meeting 2016, California, USA, May 30th – June 3rd, 2016
- "PC member" 6th International Brain-Computer Interface Conference. Graz, Austria, Sep 16-21, 2014, referee of poster session and oral session award
- "Session Co-chair of Brain Robot Interaction" Proceeding of the 11th World Congress on Intelligent Control and Automation. Shenyang, China, June 29 - July 4 2014
- "Session Co-chair of Emerging human machine interface technologies for advanced control of robot motion" 14th International Workshop on Advanced Motion Control. Auckland, New Zealand

Journal Referee

- Journal of Neural Engineering (Reviewer of the year, 2016)

- Journal of Neuroscience Methods (Outstanding reviewer, 2014, 2015)
- Biological Psychology (Outstanding reviewer, 2016)
- Computers in Biology and Medicine   (Outstanding reviewer, 2015)
- Proceedings of the IEEE
- Clinical Neurophysiology
- International Journal of Neural Systems
- PLOS ONE
- IEEE Transaction on Neural Systems and Rehabilitation Engineering
- IEEE Transaction on Biomedical Engineering
- IEEE Transaction on Neural Networks and Learning Systems
- IEEE Transaction on Cybernetics (IEEE Trans. Syst. Man, Cybern. B)
- Journal of NeuroEngineering and Rehabilitation
- Artificial Intelligence in Medicine
- Clinical EEG and Neuroscience
- Frontiers in Neuroscience
- Journal of vision
- IET Science, Measurement & Technology

Teaching

"Microcomputer Principle and Experiment", East China University of Science and Technology
    2013-present (undergraduate)

"Electrical simulation technology", East China University of Science and Technology   2013-present (undergraduate)

"Brain computer interface", East China University of Science and Technology   2014-present (graduate)

Publications (2006-2017, *Corresponding Author)

Refereed Journals

1. Jiao Cheng, **<u>Jing Jin</u>***, Ian Daly, Yu Zhang, Bei Wang, Xingyu Wang, Andrzej Cichocki , Effect of a combination of flip and zooming stimuli on the performance of a visual Brain–computer interface for spelling, Biomedical Engineering/Biomedizinische Technik, 2018, accepted.

2. Jiankui Feng, Erwei Yin, **<u>Jing Jin</u>***, Rami Saab, Ian Daly, Xingyu Wang, Dewen Hu, Andrzej Cichocki, Towards correlation-based time window selection method for motor imagery BCIs, Neural Network, 2018, accepted.

3. Yu Zhang, Yu Wang, Guoxu Zhou, Jing Jin, Bei Wang, Xingyu Wang, Andrzej Cichocki, Multi-kernel extreme learning machine for EEG classification in brain-computer interfaces, Expert Systems with Applications,   2017, 96: 302-310 ,DOI10.1016/j.eswa.2017.12.015

4. Yu Zhang, Bei Wang, **<u>Jin Jing</u>**, Jian Zhang, Junzhong Zou, Masatoshi Nakamura. A comparison study on multi-domain EEG features for sleep stage classification [J]. **Computational Intelligence**

and Neuroscience, 2017 (accepted)

5.   Wei Li, **Jing Jin**, Feng Duan, Cognitive-Based EEG BCIs and Human Brain-Robot Interactions, Comput Intell Neurosci, 2017 , 2017 :9471841

6.   Minqiang Huang, **Jing Jin***, Yu Zhang, Dewen Hu, Xingyu wang，Usage of drip drops as stimuli in an auditory P300 BCI paradigm, **Cognitive Neurodynamics**, 2018, 12(1)：85-9

7.   **Jing Jin***, Hanhan Zhang, Daly Ian, Xingyu Wang, Andrzej Cichock, An improved P300 pattern in BCI to catch user's attention, *Journal of Neural Engineering*, 2017,14(3):036001. doi: 10.1088/1741-2552/aa6213 Feb 22; (EI, SCI, IF:3.493

8.   Jiao Chen, **Jing Jin***,Xingyu Wang, Comparison of the BCI Performance between the Semitransparent Face Pattern and the Traditional Face Pattern, Computational intelligence and neuroscience，2017 :1323985. doi: 10.1155/2017/1323985

9.   Yu zhang, Yu Wang, **Jing Jin***, Xingyu Wang, Sparse bayesian learning for obtaining sparsity of EEG frequency bands based feature vectors in motor imagery classification, 2016,*International Journal of Neural systems*,   2017, 27(2):1650032 (IF:6.085)

10. Zhaoyang Qiu, Brendan Z. Allison, **Jing Jin***, Yu Zhang, Xingyu Wang, Wei Li, Andrzej Cichocki,Optimized motor imagery paradigm based on imagining Chinese characters writing movement, *IEEE Transactions on Neural Systems and Rehabilitation Engineering*, 2017 DOI 10.1109/TNSRE.2017.2655542

11. Yu zhang, Guoxu Zhou, **Jing Jin**, Yangsong Zhang, Xingyu Wang, Andrzej Cichocki, Sparse Bayesian multiway canonical correlation analysis for EEG pattern recognition. *Neurocomputing*, 2017,225(15): 103-110.

12. Sijie Zhou, Brendan Z Allison, Andrea Kübler, Andrzej Cichocki, Wang Xingyu and **Jing Jin***, Effects of background music on objective and subjective performance measures in an auditory BCI, *Frontiers in Computational Neuroscience*. 2016, 10(105), doi: 10.3389/fncom.2016.00105 (SCI, IF:2.653)

13. Ian Daly, Long Chen, Sijie Zhou, **Jing Jin**, An investigation into the use of six facially encoded emotions in brain-computer interfacing, *Brain-Computer Interfaces*, 2016, 16th Feb,3(1):59-73

14. Sijie Zhou, **Jing Jin***, Ian Daly, Xingyu Wang, Andrzej Cichocki, Optimizing the face Paradigm of BCI system by modified Mismatch Negative paradigm, *Frontiers in Neuroscience*, 2016, 10:444, doi: 10.3389/fnins.2016.00444   (SCI, IF:3.398)

15. Zhao Yang Qiu, **Jing Jin***, Hak-Keung Lam, Yu Zhang, Xingyu Wang, Andrzej Cichocki, Improved SFFS method for channel selection in motor imagery based BCI. *Neurocomputing*, 2016. 27(26): 519–527   (SCI，IF:2.392)

16. Minqiang Huang, Ian Daly, **Jing Jin***, Yu Zhang, Xingyu Wang, Andrzej Cichocki, An exploration of spatial auditory BCI paradigms with different sounds: music notes versus beeps, *Cognitive Neurodynamics*, 2016: 10(3):201-9. doi: 10.1007/s11571-016-9377-1 (SCI，IF:2.195)

17. Long Chen, **Jing Jin***, Ian Daly,Yu Zhang, Xingyu Wang, Andrzej Cichocki, Exploring Combinations of Different Color and Facial Expression Stimuli for Gaze-Independent BCIs, *Frontiers in Computational Neuroscience*, 2016, 10(5): 5 , dx.doi.org/10.3389/fncom.2016.00005   (SCI，IF:2.653)

18. Haiqiang Wang,Yu Zhang, Nicholas R. Waytowich, Dean J. Krusienski, Guoxu Zhou, **Jing Jin**, Xingyu Wang, Andrzej Cichocki, Discriminative Feature Extraction via Multivariate Linear Regression for SSVEP-based BCI, *IEEE Transactions on Neural Systems and Rehabilitation*

Engineering, 2016, 24(5):532-541, DOI: 10.1109/TNSRE.2016.2519350 (SCI，IF:2.583)

19. Yu Zhang, Guoxu Zhou, **Jing Jin**, Qibin Zhao, Xingyu Wang, and Andrzej Cichocki,Sparse Bayesian Classification of EEG for Brain-Computer Interface. ***IEEE Transactions on Neural Networks and Learning Systems***. 2016, 27(11):2256-2267 Sep 23. (IF:4.864)

20. **Jing Jin***, Eric W Sellers, Sijie Zhou, Yu Zhang, Xingyu, Wang, Andrzej Cichocki. A P300 Brain-Computer Interface Based on a Modification of the Mismatch Negativity Paradigm. ***International Journal of Neural Systems***, 2015; 25(3): 1550011 (SCI, IF:6.085)

21. Long Chen, **Jing Jin***, Yu Zhang, Xingyu Wang, Andrzej Cichocki, A survey of the dummy face and human face stimuli used in BCI paradigm. ***Journal of Neuroscience methods***, 2015; 239:18-27. (SCI，IF:2.053)

22. Mingjue Wang, Ian Daly, Brendan Z Allison, **Jing Jin***, Yu Zhang, Lanlan Chen,Xingyu Wang，A new hybrid BCI paradigm based on P300 and SSVEP, ***Journal of Neuroscience methods***, 2015; 244:16-25 (SCI，IF:2.053)

23. Yu Zhang, Guoxu Zhou, **Jing Jin**, Xingyu Wang, Andrzej Cichocki, Optimizing spatial patterns with sparse filter bands for motor-imagery based brain–computer interface. ***Journal of Neuroscience Methods***, 2015; 255: 85-91. (SCI，IF:2.053)

24. Yu Zhang, Guoxu Zhou, **Jing Jin**, Xingyu Wang, Andrzej Cichocki, SSVEP recognition using common feature analysis in brain-computer interface. ***Journal of Neuroscience Methods***. 2015; 244::8-15 (IF:2.053)

25. Xingyu Wang, Feng Cai, **Jing Jin**, Yu Zhang, Bei Wang. Robot control system based on auditory brain-computer interface.***Control Theory & Applications***，2015; 32(9):1-8. （In Chinese）

26. **Jing Jin***, Brendan Z Allison, Yu Zhang, Xingyu Wang, Andrzej Cichocki. An ERP-based BCI using an oddball paradigm with different faces and reduced errors in critical functions. ***International Journal of Neural Systems***, 2014; 24(8): 1450027 (SCI, IF:6.085)

27. **Jing Jin***, Ian Daly, Yu Zhang, Xingyu Wang, Andrzej Cichocki. An optimized ERP brain–computer interface based on facial expression changes. ***Journal of Neural Engineering***, 2014; 11(3): 036004. (SCI, IF:3.493)

28. Yu Zhang, Guoxu Zhou, **Jing Jin**, Qibin Zhao,Xingyu Wang, Andrzej Cichocki, Aggregation of sparse linear discriminant analyses for event-related potential classification in brain-computer interface. ***International Journal of Neural Systems***. 2014; 24(1), 1450003. (SCI, IF:6.085)

29. Yu Zhang, Guoxu Zhou, **Jing Jin**, Xingyu Wang, Andrzej Cichocki, Frequency recognition in SSVEP-based BCI using multiset canonical correlation analysis. ***International Journal of Neural Systems***. 2014; 24(4): 1450013. (SCI, IF:6.085).

30. Brendan Z Allison, **Jing Jin***, Yu Zhang, Xingyu Wang. A four-choice hybrid P300/SSVEP BCI for improved accuracy. ***Brain-Computer Interfaces***. 2014; 1(1) :17-26

31. **Jing Jin***, Eric W Sellers, Yu Zhang, Ian Daly, Xingyu Wang, Andrzej Cichocki. Whether generic model works for rapid ERP-based BCI calibration. ***Journal of Neuroscience Methods***, 2013; 212(1): 94-99. (SCI, IF:2.053)

32. Yu Zhang, Guo Zhou, **Jing Jin**, Mingjue. Wang, Xingyu Wang, Andrzej Cichocki. L1-regularized multiway canonical correlation analysis for SSVEP based BCI. ***IEEE Transactions on Neural Systems and Rehabilitation Engineering***, 2013; 21(6), 887-896. (SCI, IF:2.583)

33. Yu Zhang, Guoxu Zhou, Qibin Zhao, **Jing Jin**, Xingyu Wang, Andrzej Cichocki, Spatial-temporal discriminant analysis for ERP-based brain-computer interface, ***IEEE Transactions on Neural Systems and Rehabilitation Engineering***, 2013; 21(2):233-43. (SCI, IF:2.583)

34. Xingyu Wang, **Jing Jin**, Yu Zhang, Bei Wang, Brain control: Human-computer Integration Control

Based on Brain-computer Interface (review). ***ACTA AUTOMATICA SINICA***. 2013; 39(3): 208-221.

35. **Jing Jin***, Brendan Z Allison, Tobias Kaufmann, Andrea Kübler, Yu Zhang, Xingyu Wang, Andrzej Cichocki. The changing face of P300 BCIs: A comparison of stimulus changes in a P300 BCI involving faces, emotion, and movement. ***PLoS ONE***, 2012; 7(11):e49688. (SCI, IF:3.057)

36. **Jing Jin***, Eric W Sellers, Xingyu Wang. Targeting an Efficient Target-to-Target Interval for P300 Speller Brain-Computer Interfaces. ***Medical & Biological Engineering & Computing***, 2012; 50(3), 289-296. (SCI, IF:1.797)

37. **Jing Jin***, Brendan Z Allison, Xingyu Wang, Christa Neuper. A combined brain computer interface based on P300 potentials and motion-onset visual evoked potentials. ***Journal of Neuroscience Methods***. 2012; 205(2): 265-276. (SCI, IF:2.053)

38. Yu Zhang, **Jing Jin**, Xiangyun Qing, Bei Wang, Xingyu Wang. LASSO based stimulus frequency recognition model for SSVEP BCIs. ***Biomedical Signal Processing and Control***. 2012; 7(2): 104-111. (SCI, IF:1.521)

39. Yu Zhang, Qibin Zhao, **Jin Jing**, Xingyu Wang, Andrzej Cichocki. A novel BCI based on ERP components sensitive to configural processing of human faces. ***Journal of Neural Engineering***. 2012; 9(2): 026018. (SCI, IF:3.493

40. **Jing Jin***, Brendan Z Allison, Eric W Sellers, Clemens Brunner, Petar Horki, Xingyu Wang, Christa Neuper. Optimized stimulus presentation patterns for an event-related potential EEG-based brain computer interface. ***Medical & Biological Engineering & Computing***, 2011; 49(2): 181-191. (IF: 1.797)

41. **Jing Jin***, Brendan Z Allison, Eric W Sellers, Clemens Brunner, Petar Horki, Xingyu Wang, Christa Neuper. Adaptive P300 based control system. ***Journal of Neural Engineering***, 2011; 8(3):036006. (IF:3.493)

42. **Jing Jin***, Brendan Z Allison, Clemens Brunner, Bei Wang, Xingyu Wang, Jiahua Zhang, Neuper Christa, Gert Pfurtscheller. P300 Chinese input system based on Bayesian LDA. ***Biomedizinische Technik = Biomedical engineering***. 2010; 55(1): 5-18. (IF:1.650)

43. **Jing Jin***, Petar Horki, Clemens Brunner, Xingyu Wang, Christa Neuper, Gert Pfurtscheller. A new P300 stimulus presentation pattern for EEG-based spelling systems. ***Biomedizinische Technik = Biomedical engineering***. 2010; 55(4): 203-210. (IF：1.650)

44. Yu Zhang, Xingyu Wang, Jianhua Zhang, **Jing Jin**. Classification of Visual Event-related Potential P300 Based on DPSO-BLDA Algorithm. ***Chinese Journal of Biomedical Engineering***. 2010; 29(1), 46-52. （In Chinese）

45. **Jing Jin**, Xingyu Wang, Xiangu Luo et al. Regression algorithm of PSO-ξ-SVM. ***Journal of East China University of Science and Technology***. 2006; 32(7): 872-875. （In Chinese）

46. **Jing Jin**, Xingyu Wang, Xiu Zhang. Recognition of right and left motor imagery based on energy features. ***Journal of East China University of Science and Technology***. 2007; 33(4): 536-540.

47. Jin feng, Xingyu Wang, **Jing Jin**. Recognition of Motor Imagery Based On SVM Multi-classifier. ***Journal of Clinical Rehabilitative Tissue Engineering Research***. 2008; 12(9): 1697-1700 （In Chinese）

48. Yu Zhang, Jianhua Zhang, Xingyu Wang, **Jing Jin**. A FastICA-based Approach to Extracting P300 Potential. ***Journal of East China University of Science and Technology***. 2009; 35(5). 750-755. （In Chinese）

<u>Refereed Conference Proceedings</u>

1. Long Chen, Brendan Z. Allison,   Yu Zhang, Xingyu Wang, Jing Jin*, An online gaze-independent

BCI system used dummy face with eyes only region as stimulus，HCI International 2016,Toronto, Canada, 17 - 22 July 2016, In: Schmorrow D., Fidopiastis C. (eds) Foundations of Augmented Cognition: Neuroergonomics and Operational Neuroscience. AC 2016. Lecture Notes in Computer Science, vol 9743. Springer, Cham

2. Long Chen，Sijie Zhou， Yu Zhang， Jing Jin， Xingyu Wang，A gaze-independent BCI paradigm used dummy face with only eyes region as stimuli, 2016 Sixth International Conference on Information Science and Technology (ICIST) China Dalian, Date 6-8 May 2016 :23-26

3. Hanhan Zhang, H. Hu,Sijie Zhou， Xingyu Wang, **<u>Jing Jin*</u>**, Concentrate your mind by counting the flashing point: A new P300 pattern in BCI, 2016 Sixth International Conference on Information Science and Technology (ICIST) China Dalian, Date 6-8 May 2016 :36-41

4. Yu Zhang， **<u>Jing Jin</u>**， Xingyu Wang，Yu Wang，Motor imagery EEG classification via Bayesian extreme learning machine，2016 Sixth International Conference on Information Science and Technology (ICIST) China Dalian, Date 6-8 May 2016 :27-30 (EI)

5. Yong Jiao,Yu Zhang, **<u>Jing Jin</u>**, Xingyu Wang，Multilayer correlation maximization for frequency recognition in SSVEP brain-computer interface, 2016 Sixth International Conference on Information Science and Technology (ICIST) China Dalian, Date 6-8 May 2016 :31-35

6. Yu Zhang, Qibin Zhao, Guoxu Zhou, **<u>Jing Jin</u>**, Xingyu Wang, Andrzej Cichocki. Removal of EEG artifacts for BCI applications using fully Bayesian tensor completion. In: 2016 IEEE International Conference on Acoustics, Speech and Signal Processing (ICASSP), 819-823, 2016.

7. Qiu, Z., J. jin, Y. Zhang, H. Sun and X. Wang (2016). Comparisons of Three BCIs Which Do Not Rely on the Visual Modality. 2016 3rd International Conference on Systems and Informatics (ICSAI). Shanghai, China,19-21 Nov 2016, 82 - 86, 10.1109/ICSAI.2016.7810934

8. Zhou, S., L. Chen, J. Jin, Y. Zhang and X. Wang (2016). Exploring Motion Visual-Evoked Potentials for Multi-Objective Gaze-Independent Brain-Computer Interfaces. Systems and Informatics (ICSAI), 2016 3rd International Conference on. Shanghai, China 19-21 Nov. 2016 10.1109/ICSAI.2016.7810935 87-91

9. Zhou Sijie, B. Z. Allison, I. Daly, X. Wang, J. Jin. Optimizing the face Paradigm for BCI systems with the modified mismatch negative paradigm, Proceedings of the 6th International Brian computer interface meeting. 2016 DOI: 10.3217/978-3-85125-467-9-33

10. Huiping Hu, **<u>Jing Jin</u>**, Yu Zhang, Xingyu Wang, Design of a Visual Information-based Brain-computer interface Control System, 2015 11th International Conference on Natural Computation (ICNC'15) and the 2015 12th International Conference on Fuzzy Systems and Knowledge Discovery (FSKD'15) 15-17 Aug. 2015: 887-891, DOI: 10.1109/ICNC.2015.7378108

11. Hanhan Zhang, **<u>Jing Jin*</u>**, Sijie Zhou, Yu Zhang, Xingyu Wang. Improving the performance of online classifier by removing the error samples from offline training data. In: 2015 IEEE International Conference on Computer and Communications (ICCC 2015), 2015, 10-11 Oct. 2015 DOI: 10.1109/CompComm.2015.7387544

12. Zhaoyang Qiu, **<u>Jing Jin</u>**, Zhang Yu, Wang Xingyu. Generic channels selection in motor imagery based BCI. The 5th International Conference on Cognitive Neurodynamics 2015 (ICCN 2015) Advances in Cognitive Neurodynamics 2015,413-419

13. Zhou, Sijie, **<u>Jing Jin</u>**, Zhang Yu, Wang Xingyu, An optimized BCI system based on P300 and visual mismatch negativity, 2015 2nd International Conference on Information Science and Control Engineering, 2015, 620-623

14. Yu Zhang，Yu Wang，**<u>Jing Jin</u>**，Xingyu Wang,Sparse Support Vector Machine for Simultaneous Feature Selection and Classification in Motor-Imagery-Based BCI,The 5th International Conference on Cognitive Neurodynamics 2015 (ICCN 2015) Advances in Cognitive Neurodynamics 2015,363-369

15. Haiqiang Wang, Yu Zhang, Jing Jin, Xingyu Wang. SSVEP recognition using multivariate linear regression for brain computer interface. In: 2015 IEEE International Conference on Computer and Communications (ICCC 2015), 2015, Chengdu, China 10-11 Oct. 2015, DOI: 10.1109/CompComm.2015.7387563. 176-180

16. **Jing Jin***, Ian Daly, Minqiang Huang, Yu Zhang, Xingyu Wang. An optimized auditory P300 BCI based on spatially distributed sound in different voices. 6th International Brain-Computer Interface Conference. Austria, Graz, Sep 16-20, 2014

17. **Jing Jin***, Ian Daly, Yu Zhang, Xingyu Wang, Decreasing the interference of visual-based P300 BCI using facial expression changes. Proceeding of the 11th World Congress on Intelligent Control and Automation. Shenyang, China, June 29 - July 4 2014, 2407-2411.

18. Yu Zhang, Hehe Ma, **Jing Jin**, Xingyu Wang, Adaptive Strategy for Time Window Length in SSVEP-based Brain-Computer Interface, In: 2014 International Conference on Mechatronics and Control, 3-5 July, Jinzhou, 2014; 140-143.

19. **Jing Jin***, Brendan Z Allison, Yu Zhang, Xingyu Wang. Optimized ERP-Based BCI using the stimulus of multi-Familiar faces. Proceedings of the Fifth International Brain-Computer Interface Meeting. California, USA, 2013.

20. Mingjue Wang, **Jing Jin**, Xingyu Wang, A new brain-computer interface paradigm based on P300 and SSVEP,   Proceedings of the 32nd Chinese Control Conference,July 26-28, 2013, Xi'an, China 2013; July 26-28, 3668-3672.

21. Zhang, Yu; **Jin, Jing**; Wang, Bei; Wang, Xingyu, Shrinkage common spatial pattern for feature extraction in brain-computer interface. Proceedings of 2013 Chinese Intelligent Automation Conference - Intelligent Information Processing, Lecture Notes in Electrical Engineering, 2013, 256: 155-161 Yangzhou China

22. Lijing Meng, **Jing Jin**, Xingyu Wang. A Comparison of Navigation System Based on P300 BCI and SSVEP BCI. 24th Chinese Control and Decison Conference. China, Taiyuan. 2012; 3703-3708.

23. Wang dongyang, **Jing Jin**, Xingyu Wang. The feature extraction of motor imagery EEG based on the time-frequency correction. 31st Chinese Control Conference. 2012; 3083-3085

24. Wang dongyang, **Jing Jin**, Xingyu Wang.Classification of four-class motor imagery EEG based on CSP-HMM. CPCC'12, Xia Men，2013.7.8-2013.7.10, Journal of Nanjing University of Science and Technology, 2012; 36(2): 197-201.

25. **Jing Jin**,Brendan Z Allison, Yu Zhang, Xingyu Wang, Optimized P300-Based BCI using a multi-faces pattern, Proceedings of the Fifth International Brain-Computer Interface Meeting, 2013,6.2-7 California USA,DOI: 10.3217/978-3-85125-260-6-16

26. **Jing Jin***, Brendan Z Allison, Xingyu Wang, Christa Neuper. A hybrid brain-computer interface based on P300 and M-VEP. Proceedings of the 5th International Brain-Computer Interface Conference. Graz, Austria. 2011; 224-228.

27. **Jing Jin***, Yu Zhang, Xingyu Wang. A Novel Combination of Time Phase and EEG Frequency Components for SSVEP-based BCI. 2011 International Conference on Neural Information Processing, NOV 14-17, Shanghai, Lecture Notes in Computer Science series, 2011; 7062: 273-278.

28. Yu Zhang, Guoxu Zhou, Qibin Zhao, Akinari Onishi, **Jing Jin**, Xingyu Wang, Andrzej Cichocki. Multiway canonical correction analysisi for frequency components recognition in SSCEP-Based BCIs. 2011 International Conference on Neural Information Processing, NOV 14-17, Shanghai, Lecture Notes in Computer Science. 2011; 7062: 287-295.

29. Guankun Wang, **Jing Jin**, Xingyu Wang. Target to efficient stimulus presentation sequence for P300 BCI, Journal of Central South University: Science and Technology, 2011; 42(s1): 745-749.

30. Lijing Meng, **Jing Jin**, Xingyu Wang. A comparison of three electrode channels selection methods applied to SSVEP BCI. The 4th International Congress on Image and Signal Processing & The 4th International Conference on Biomedical Engineering and Informatics, Shanghai China, 2011; 584-587

31. **Jing Jin**, Xingyu Wang, Jianhua Zhang. Classification of the Direction Perceived EEG based on ICA-F-score Approach. The 2nd International Conference on Bioinformatics and Biomedical Engineering. Shanghai, China. 2008;1884-1887.

32. **Jing Jin**, Xingyu Wang, Jianhua Zhang. Optimal Selection of EEG Electrodes via DPSO Algorithm. The 7th World Congress on Intelligent Control and Automation. Chongqing, China. 2008; 5095-5099

33. **Jing Jin**, Xingyu Wang, Jianhua Zhang. Classification of motion directional perceived based on EEG. The 2008 Chinese Control and Decision Conference. Yantai, China. 2008; 4322-4325.

34. **Jing Jin**, Xingyu Wang, Bei Wang. Classification of Direction Perception EEG based on PCA-SVM, Third International Conference on Natural Computation. Hainan, China. 2007; (2): 116-120.

Invited Talks

1. **Jing Jin,** Differences in motor imagery activity between the paretic and non–paretic hands in stroke patients using recoveriX, recoveriX & mindBEAGLE conference 2017, 23th SEP, Graz Austria

2. **Jing Jin,** Stroke rehabilitation, DOC assessment and ALS assistance at East China University of Science and Technology. International Brain-Computer Interface (BCI) Meeting 2016, Asilomar Conference Center in Pacific Grove, California, USA, May 30th – June 3rd, 2016

3. **Jing Jin,** Decreasing the interference of visual-based P300 BCI using facial expression changes. Proceeding of the 11th World Congress on Intelligent Control and Automation. Shenyang, China, 29th June – 4th July 2014.

4. **Jing Jin** Optimized paradigms for brain computer interface system. Automation Conference, 7-8 November 2013.

5. **Jing Jin**, Brain computer interface using stimulus of familiar face. Brain-machine interfaces for control and rehabilitation purposes. 2012 ICME International Conference on Complex medical engineering. 1-4 July, 2012, Kobe Japan.

6. **Jing Jin**, A Novel Combination of Time Phase and EEG Frequency Components for SSVEP-based BCI. 2011 International Conference on Neural Information Processing, 2011, Shanghai, China

7. **Jing Jin**, A hybrid brain-computer interface based on P300 and M-VEP. Proceedings of the 5th International Brain-Computer Interface Conference. 2011, Graz, Austria.

8. **Jing Jin**, Optimized stimulus presentation patterns for an event-related potential EEG-based brain computer interface. The 2nd IEEE Workshop on Communication among Neuroscience, Cognition and Information Technology. 2010, Chengdu, China

9. **Jing Jin**, Classification of Direction Perception EEG based on PCA-SVM, Third International Conference on Natural Computation. 2007, Hainan, China