

Shuai Li
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[Interests]

Mechanical and Civil Engineering, Computer Science, Mathematics, Machine Learning, Information Retrieval, Robotics, Artificial Intelligence, Databases, Natural Language Processing, Human-Computer Interaction, Computer Vision, Embedded Systems

[Biography]

Dr Shuai Li is a researcher at the Department of Engineering, University of Cambridge, UK; Shuai earned a doctorate from the Department of Theoretical and Applied Sciences, Università degli Studi dell'Insubria, Italy. Dr Li has 8+ years professional experience across Europe, North America, Middle East, and Asia Pacific; and 20+ years project experience in Computer and Information Engineering, Hardware and Software R&D, etc.

[Member of the Advisory/Editorial Board/Associate Editor]

The World Academy of Research in Science and Engineering (WARSE)
Journal of Astrophysics and Aerospace Technology (JAAT)
Paladyn Journal of Behavioral Robotics (PJBR)
GSTF Journal on Computing (JoC)
International Journal of Engineering Business Management (AI Publications, IJEBM)
International Journal of Advances in Computer Science and Technology (IJACST)
International Journal of Research and Analytical Reviews (IJRAR)
International Journal of Psychotherapy Practice and Research (IJPR)
International Journal of Advanced Engineering Research and Science (IJAERS)
International Journal of Smart Device and Appliance (IJSDA)
Open Engineering, Central European Journal of Engineering
International Journal of Latest Trends in Engineering and Technology (IJLTET)
Journal of Communications Technology, Electronics and Computer Science (JCTECS)
Journal of Electrical Engineering and Electronic Technology (JEEET)

[Member of the Advisory Committee/General Chair/Programme Chair]

The 4th International Symposium on Social Media Mining and Analysis, Jun 28 - Jun 30, Exeter, England, UK (SMMA 2018)
The 2nd International Conference on Inventive Computation Technologies, Aug 24 - Aug 25, Coimbatore, Tamil Nadu, India (ICICT 2017)
The 6th World Conference on Applied Sciences, Engineering and Technology, Aug 26 - Aug 27, Universitas Muhammadiyah Ponorogo, Indonesia (WCSET 2017)
The International Conference on Computational Vision and Bio Inspired Computing, Sep 21 - Sep 22, Coimbatore, Tamil Nadu, India (ICCVBIC 2017)

The 2017 IEEE International Conference on Ubiquitous Intelligence and Computing, Main Research Track: Data Science and Computational Intelligence, Aug 4 - Aug 8, San Francisco, US (UIC-DSCI 2017)

The 2017 International Workshop on Social Media Mining and Analysis with IEEE International Conference on Cyber, Physical and Social Computing (CPSCom), Jun 21 - Jun 23, Exeter, UK (SMMA 2017)

The 2016 International Workshop on Social Media Mining and Analysis with IEEE International Conference on Ubiquitous Intelligence and Computing (UIC), Smart World Congress (SWC) 2016, Jul 18 - Jul 21, Toulouse, France (SMMA 2016)

[Member of the Technical Programme Committees]

The 22nd International Conference on Artificial Intelligence and Statistics, Apr 16 - Apr 18, Okinawa, Japan (AISTATS 2019)

The 28th International Conference on World Wide Web, May 13 - May 17, San Francisco, CA, US (WWW 2019)

The 12th ACM International Conference on Web Search and Data Mining, Feb 11 - Feb 15, Melbourne, Australia (WSDM 2019)

The 32nd Annual Conference on Neural Information Processing Systems, Dec 3 - Dec 8, Montreal, Canada (NIPS 2018)

The 41st International ACM SIGIR Conference on Research and Development in Information Retrieval, Jul 8 - Jul 12, Ann Arbor, Michigan, US (SIGIR 2018)

The 18th IEEE International Conference on Data Mining, Dec 17 - Dec 20, Singapore (ICDM 2018)

The 34th International Conference on Uncertainty in Artificial Intelligence, Aug 6 - Aug 8, Monterey, CA, US (UAI 2018)

The 35th International Conference on Machine Learning, Jul 10 - Jul 15, Stockholm, Sweden (ICML 2018)

The 21st International Conference on Artificial Intelligence and Statistics, Apr 9 - Apr 11, Lanzarote, Canary Islands, Atlantic Ocean (AISTATS 2018)

The 27th International Conference on World Wide Web, Apr 23 - Apr 27, Lyon, France (WWW 2018)

The 11th ACM International Conference on Web Search and Data Mining, Feb 5 - Feb 9, Los Angeles, California, US (WSDM 2018)

The 40th International ACM SIGIR Conference on Research and Development in Information Retrieval, Aug 7 - Aug 11, Tokyo, Japan (SIGIR 2017)

The 23rd ACM SIGKDD International Conference on Knowledge Discovery and Data Mining, Aug 13 - Aug 17, Halifax, Nova Scotia, Canada (SIGKDD 2017)

The 17th IEEE International Conference on Data Mining, Nov 18 - Nov 21, New Orleans, Louisiana, US (ICDM 2017)

The 33rd International Conference on Uncertainty in Artificial Intelligence, Aug 12 - Aug 15, Sydney, Australia (UAI 2017)

The 31st Annual Conference on Neural Information Processing Systems, Dec 4 - Dec 9, Long Beach, California, US (NIPS 2017)

The 20th International Conference on Artificial Intelligence and Statistics, Apr 20 - Apr 22, Fort Lauderdale, Florida, US (AISTATS 2017)

The 26th International Joint Conference on Artificial Intelligence, Aug 19 - Aug 25, Melbourne, Australia (IJCAI 2017)

[Other Reviewer Services]

The International IEEE Computer Vision Conference, May 2 - May 3, Las Vegas, Nevada, US (CVC 2019)

The 17th SIAM (Society for Industrial and Applied Mathematics) International Conference on Data Mining, May 3 - May 5, San Diego, California, US (SDM 2018)

The 4th International Conference on Machine Learning, Optimization and Data Science, Sep 13 - Sep 16, Pisa, Tuscany, Italy (LOD 2018)

The International IEEE Future Technologies Conference, Nov 15 - Nov 16, Vancouver, BC, Canada (FTC 2018)

The International IEEE Conference on Artificial Intelligence and Knowledge Engineering, Oct 1 - Oct 3, Laguna Hills, California, US (AIKE 2018)

The International IEEE Computing Conference, Jul 10 - Jul 12, London, UK (CC 2018)

The International IEEE Future of Information and Communication Conference, Apr 5 - Apr 6, Singapore (FICC 2018)

The International IEEE Intelligent Systems Conference, Sep 6 - Sep 7, London, UK (IntelliSys 2018)

The International Workshop on Knowledge Extraction and Semantic Annotation, Apr 22 - Apr 26, Athens, Greece (KESA 2018)

The 17th SIAM (Society for Industrial and Applied Mathematics) International Conference on Data Mining, Apr 27 - Apr 29, Houston, Texas, US (SDM 2017)

The International Workshop on Knowledge Extraction and Semantic Annotation, Apr 23 - Apr 27, Venice, Italy (KESA 2017)

The International IEEE Intelligent Systems Conference, Sep 7 - Sep 8, London, UK (IntelliSys 2017)

The International IEEE Future Technologies Conference, Nov 29 - Nov 30, Vancouver, BC, Canada (FTC 2017)

The International IEEE Computing Conference, Jul 18 - Jul 20, London, UK (CC/SAI 2017)

The 3rd International Conference on Machine Learning, Optimization and Big Data, Sep 14 - Sep 17, Volterra, Tuscany, Italy (MOD 2017)

The 30th Annual Conference on Neural Information Processing Systems, Dec 5 - Dec 10, Barcelona, Spain (NIPS 2016)

The 25th International Conference on World Wide Web, Apr 11 - Apr 15, Montreal, Canada (WWW 2016)

The 16th SIAM (Society for Industrial and Applied Mathematics) International Conference on Data Mining, May 5 - May 7, Miami, Florida, US (SDM 2016)

The 10th ACM Conference on Recommender Systems, Sep 15 - Sep 19, Boston, MA, US (RecSys 2016)

The International Workshop on Social Media Mining and Analysis with IEEE International Conference on Computer and Information Technology (CIT), Oct 26 - Oct 28, Liverpool, UK (SMMA 2015)

IEEE Transactions on Knowledge and Data Engineering (TKDE)

Journal of Machine Learning Research (JMLR)

IEEE Transactions on Pattern Analysis and Machine Intelligence (TPAMI)

International and Interdisciplinary Scientific Journal of Computers

International and Interdisciplinary Scientific Journal of Entropy

IEEE Systems Journal

IEEE Transactions on Systems

[Invited Talks/Lectures]

- "Next-Generation Language Learning System", the University of Cambridge, Cambridge, UK, Feb 26, 2018
- "The Front-Edge of Decentralized Artificial Intelligence and Machine Learning", Peking University, Beijing, China, Jan 12, 2018
- "On the Frontiers of Machine Learning and Artificial Intelligence", Peking University, Beijing, China, Jan 10, 2018
- "When Engineering Design Meets Artificial Intelligence", Tsinghua University, Beijing, China, Jan 5, 2018
- "On the Frontiers of Big Data and Artificial Intelligence", Fudan University, Shanghai, China, Dec 29, 2017
- "Recent Advances in Machine Learning", the University of Cambridge, Cambridge, UK, Nov 29, 2017
- "Toward a Principled Framework for Clustering Techniques", the University of Oxford, Oxford, UK, Oct 11, 2017
- "Recent Development in Prediction Technology", the University of Cambridge, Cambridge, UK, May 26, 2017
- "Cutting-Edge Machine Learning for Finance", the University of Oxford, Oxford, UK, Apr 7, 2017
- "The Art of Clustering Bandits", the University of Oxford, Oxford, UK, Mar 6, 2017
- "Large-Scale Machine Learning", Amazon Global HQ, Seattle, Washington, US, Feb 20, 2017
- "The Future of Augmented Reality and Virtual Reality", Palo Alto Research Center, a Xerox company, CA, US, Dec 6, 2016
- "An Introduction to O2O and Social Networks", Yahoo Research, New York, US, Nov 7, 2016
- "On the Foundation of Reinforcement Learning", Samsung Semiconductor, Inc., Los Angeles, CA, US, Oct 31, 2016
- "Stochastic Low-Rank Bandits: A Novel Online Approach", Adobe, Inc., San Francisco Bay Area, CA, US, Oct 20, 2016
- "Collaborative Filtering Bandits", the 39th International ACM SIGIR Conference on Research and Development in Information Retrieval, Pisa, Italy, Jul 21, 2016
- "Distributed Clustering of Linear Bandits in Peer to Peer Networks", the 33rd International Conference on Machine Learning, New York, US, Jun 24, 2016
- "Technical Challenges and Trends in Biomedical Recommendation", Stanford University, Stanford, CA, US, Jun 16, 2016

[Selected Papers]

On Context-Dependent Clustering of Bandits

Claudio Gentile, Shuai Li, Purushottam Kar, Alexandros Karatzoglou, Giovanni Zappella, and Evans Etrue

Proceedings of the 34th International Conference on Machine Learning, Journal of Machine Learning Research, pp. 1253-1262, Sydney, New South Wales, AU (ICML 2017)

Collaborative Filtering Bandits

Shuai Li, Alexandros Karatzoglou, and Claudio Gentile
Proceedings of the 39th International ACM SIGIR Conference on Research and Development in Information Retrieval, pp. 539-548, Pisa, Tuscany, IT (SIGIR 2016)

Distributed Clustering of Linear Bandits in Peer to Peer Networks
Nathan Korda, Balázs Szörényi, and Shuai Li
Proceedings of the 33rd International Conference on Machine Learning, Journal of Machine Learning Research, pp. 1301-1309, New York City, New York, US (ICML 2016)

Online Optimization Methods for the Quantification Problem
Purushottam Kar, Shuai Li, Harikrishna Narasimhan, Sanjay Chawla, and Fabrizio Sebastiani
Proceedings of the 22nd ACM SIGKDD International Conference on Knowledge Discovery and Data Mining, pp. 1625-1634, San Francisco, California, US (SIGKDD 2016)

Mining λ -Maximal Cliques from a Fuzzy Graph
Fei Hao, Doo-Soon Park, Shuai Li, and HwaMin Lee
Advanced IT based Future Sustainable Computing, Journal of Sustainability, 8(6), pp. 553; doi: 10.3390/su8060553, 2016

The Art of Clustering Bandits
Shuai Li
Università degli Studi dell'Insubria, Dissertation, 2016

An Efficient Approach to Generating Location-Sensitive Recommendations in Ad-hoc Social Network Environments
Fei Hao, Shuai Li, Geyong Min, Hee-Cheol Kim, Stephen S. Yau, and Laurence T. Yang
IEEE Transactions on Services Computing, ISSN: 1939-1374, DOI: 10.1109, Issue: 99, pp. 520-533, IEEE Computer Society (TSC 2015)

Online Clustering of Bandits
Claudio Gentile, Shuai Li, and Giovanni Zappella
Proceedings of the 31st International Conference on Machine Learning, Journal of Machine Learning Research, pp. 757-765, Beijing, CN (ICML 2014)

Dynamic Fuzzy Logic Control of Genetic Algorithm Probabilities
Huijuan Guo, Yi Feng, Fei Hao, Shengtong Zhong, and Shuai Li
Journal of Computers, DOI: 10.4304/jcp. 9.1.22-27, Vol. 9, No. 1, pp. 22-27, 2014

Social Media Review Mining for Living Items with Probabilistic Approach
Shuai Li, Fei Hao, and Hee-Cheol Kim
Smart Media Journal, Media, Information Systems, ISSN:2287-1322, Vol. 2, No. 2, pp. 20-27, 2013

Medicine Rating Prediction and Recommendation in Mobile Social Networks

Shuai Li, Fei Hao, Mei Li, and Hee-Cheol Kim
Proceedings of the International Conference on Green and Pervasive Computing,
Vol. 7861, pp. 216-223, Seoul, Korea, 2013

(Best Paper Award) Machine Learning for Personalized Medicine
Shuai Li, Fei Hao, Mei Li, and Hee-Cheol Kim
Proceedings of Korea Institute of Smart Media Fall Conference, Vol. 1, No. 2, pp.
25-27, Korea, 2012