XJTLU CURRICULUM VITAE – Gangmin Li

1 Personal Information

1.1 Personal Details

Current Job Title: Senior Lecturer in Computer Science and Technology

Eamil: Gangmin.li@beds.ac.uk

1.2 Academic Qualifications (highest qualification at the top)

B.Sc. (Hons), Software Engineering, The Northenwestern Polytechnic University, China, 1979-1983.

M.Sc. (equivalent), Distributed Systems, University of York, UK, 1994-1995.

Ph.D. Agent multi-agent systems, The Open University, UK, 1995-1999.

1.3 Employment Record (only include relevant jobs – most recent at the top)

01/09/2021 -	Senior Lecturer in Computer Science and Technology, University of Bedfordshire, UK
	Honorary academics, Xi'an Jiaotong-Liverpool University, China
01/09/09 – 31/08/21	Associate professor, Xi'an Jiaotong-Liverpool University, China
	Honorary academics, Staff number: 428071, University of Liverpool, UK
01/01/09 – 31/08/09	Senior Research Fellow, Knowledge Media Institute (KMI), The Open University, UK
01/07/04 – 31/12/08	Senior Research Fellow, Open Middleware Infrastructure Institute (OMII), University of Southampton, UK
01/01/01 – 30/06/04:	Research Fellow, Knowledge Media Institute, The Open University, UK
01/01/99 – 30/12/00:	Research Fellow, Human Computer Interaction Design Centre, The City University of London, UK
01/09/83 – 31/07/94	Lecturer, Department of Computing, NPU, China

2 Teaching Experience (Most recent at the top)

2021 – present:

- CIS092 Distributed Datamabse management
- CIS118 Data Engineerign
- CIS054 Information Technology Undergraduate Project
- CIS093 MSC Computer Science Project
- CIS013 Research Methodologies and Merging Technologies
- CIS049 Undergraduate Project in Computer Science

2009- 2021:

- CSE313 Big Data Analytics
- CSE309 Semi-structured or Web-like Databases (stopped at 2016)
- CSE308 Technologies for E-commerce
- CSE305 FYP for UG
- CSE414 Dissertation Project for MSc Computer Science
- CSE412 Dissertation Project for MRes Computer Science

Tutorial course and associated laboratory work for:

- CSE313 **Cloudera Apache Hadoop for big data analytics**
- CSE308 **XAMPP Apache+MySQL+PHP+PERL software suit for ecommerce**
- CSE003 Fundamentals for Computer Programming
- CSE103 Introduction to Databases

- CSE110 Human-Centric Computing
- CSE305 FYP.
- CSE103 Database.
- CSE002 Computer Skills

3 Administration (Most recent at the top)

2019 - 2021 School placement officer.

2009 - 2021 Departmental industrial Liaison officer, Industrial advisor board chair

2014 - 2019 Programme director of ICS

2009 - 2019 Member of departmental Teaching and learning committee

2009 - 2019 Member of departmental Students' progression committee

2010 – 2015 Departmental DMT program coordinator with EEE

2009 – 2010 Departmental IMS program coordinator with BEM

4 Research Experience

4.1 Research body membership:

IEEE member, IEEE Computer Society

Member of Suzhou AI, member of Suzhou Big data alliance

Member of National New Engineering education in China

4.2 Research Interests

1. AI in Knowledge graph, NLP, Big data analytics methods, algorithms and platforms

2. Distributed AI in medical care, Virtual Reality and simulation using Grid Infrastructure

3. Web science and web application., Knowledge Engineering. Multi-agent systems. E-commerce applications and security.

4.3 Research Grants (Most recent at the top)

1 KSF, KSF-A-027, 1,000,000RMB, "Research on intelligent investigation system using deep learning and knowledge graph". 2019, 9 -

2 Suzhou Advanced Tech Research, SYG201840, 50,000, 2018.7.1-2020.6.30. "Doctors' assistant by advanced Voice recognition and AI technologies".

3 RIBDA grunt 14,000, 2018.1.1-2018.12.31. "Big Data methods for medical record auto-generation".

4 Accenture, LLP (USA), $20,000. 2017.7.1-2019.6.30. "Knowledge network construction and services for knowledge intensive organisations".

5 RIBDA, 24,000. 2017.3.1-2018.2.28. "the effectiveness of TIVAP cancer treatment assessment using BDA", collaborated with the 2nd General hospital Suzhou.

6 2 RDFs, RDF-11-035, RDF-11-036, (100,000RMB + two studentships worth 700,000RMB). "Big Data Analytical Platform" and "Knowledge Graph Embeddings", 2017,4-2021,9, 2019.4 – 2022.4

4.4 Completed and Continue Research Projects (Most recent at the top)

1. "Public Security Case Records understanding with Machine Learning and Knowledge Graph", Pricinple Onvestigater (PI), 2018-2021, complete.

2. "Hearth Records generation and recognition for Medical care", PI, 2018-2020, Complete.

3. "Big Data analytical platform research using multiple agents approaches", PI, 2017-2021, complete.

4. "Tacit Knowledge capture using Knowledge Graph", PI, 2018-

5. "Video content understanding and recommendation", PI, 2018-

6. "Knowledge Graph construction and alignment for knowledge intensive orgnisations", PI, 2017-2019, complete.

7. "Big Data Analytics methods study", PI, 2015-2017, RIBDA founded projects, complete

8. G-Lite. "Construct knowledge entity concept maps", Co-investigator (CI) 2006-2008, complete

9. GridSAM - "Computation component of Open Middleware Infrastructure (OMII), CI, 2004 – 2008, complete

10. OGSA-DAI-"Open Grid Service Architecture – Data Access and Integration, Storage component of Open Middleware Infrastructure (OMII), CI, 2004 – 2008, complete

11. Grimores –"registry management system for Open Middleware Infrastructure (OMII), CI, 2004-2008, complete

12. OMII-China, (Chinese component of UK OMII grid Infrastructure", 2006-2008, coordinate with China Science Academy and BeHang.

13. Scholonto – "ScholorlyOntology for document dissemination", CI, (2001-2002), complete.

4.5 PhD Research Supervision

Yuchen Liu (2021-

Fan Yang (2019.12 -

Qian Jing (2018.5-)

Gautam Pal (2017.4-2021.8)

5 PUBLICATIONS

5.1 Refereed Journals: (most recent at the top)

1. Pin Ni, GangminLi, Patrick C.K.Hung, VictorChang (2021), "StaResGRU-CNN with CMedLMs: A stacked residual GRU-CNN with pre-trained biomedical language models for predictive intelligence", *Applied Soft Computing, Volume 113, Part B, December 2021, 107975,* https://doi.org/10.1016/j.asoc.2021.107975

2. Jing Qian, Gangmin Li, Katie Atkinson and Yong Yue (2021), "Understanding Negative Sampling In Knowledge Graph Embedding", *International Journal of Artificial Intelligence and Applications (IJAIA), Vol.12, No.1, January 2021. P71-81*.

3. Ni,P. and Li,Y. and Li,G. and Chang,V. (2021), "A Hybrid Siamese Neural Network for Natural Language Inference in Cyber-Physical Systems", **ACM Transactions on Internet Technology**, *2021, 21(2), 3418208*

4. Li, Y., Ni, P., Li, G., & Chang, V. (2020). "Effective Piecewise CNN with Attention Mechanism for Distant Supervision on Relation Extraction Task". In COMPLEXIS (pp. 53-60).

5. P. Ni, Y. Li, Gangmin Li and Victor Chang (2020), "Natural language understanding approaches based on joint task of intent detection and slot filling for IoT voice interaction", **Neural Computing and Applications**, 2020, 32(20), pp. 16149–16166, Online: DOI: 10.1007/s00521-020-04805-x. (**IF: 4.664, CiteScore 7.43**), in dexed by *ACM, CMKI, EI Compendex, SCOPUS and Scopus indexed)*

6. Gautam Pal, Gangmin Li, Katie Atkinson (2019). "Lifelong Machine Learning and root cause analysis for large-scale cancer patient data". **J Big Data 6, Springer,** 108 (2019). Online: https://doi.org/10.1186/s40537-019-0261-9. (**IF: 4.360, Q1, CiteScore: 8.79**)

7. Gautam Pal* , Gangmin Li and Katie Atkinson (2018) "Multi-Agent Big-Data Lambda Architecture Model for E-Commerce Analytics", **Data** 2018, *3*(4), 58; Online: https://doi.org/10.3390/data3040058.https://www.mdpi.com/2306-5729/3/4/58 a peer-reviewed open access journal on data in science. Indexed in Scopus, the Emerging Sources Citation Index (ESCI) - Web of Science and Inspec (IET).

8. Gangmin Li, Minghuang Chi (2018), "Expert CF: Solving Data Matrix Sparsity and Computation Complexity Problems", *Transactions on Machine Learning and Artificial Intelligence*, Volume 6, No. 2. 2018. ISBN 2054-7390. DOI: 10.14738/tmlai.62.4337, URL: http://dx.doi.org/10.14738/tmlai.62.4337

9. Gangmin Li, Minghuang Chi (2017), "expertSFCF: Improving CF with Expert and Fusion". Special Issue of the *International Journal IJDATICS* (ISSN: 2223523X) , 2017.

10. Wei Bai, Emmanuel Tadjouddine, Terry Payne, Gangmin Li (2017), "Dialogue Based Decision Making in Online Trading", *Transactions on Machine Learning and Artificial Intelligence*, Volume 5, No 3, June 2017, ISSN (online) 2169-4726, DOI: http://dx.doi.org/10.14738/tmlai.53.3390.

11. Gangmin Li (2016). "Organisational Knowledge Acquisition with Contested Collective Intelligence in the Web Environment", *Software Engineering*, 2016; 4(2); 41-49;

12. Sun, Gang, Chang, Victor, Ramachandran, Muthu, Sun, Zhili, Li, Gangmin, Yu, Hongfang and Liao, Dan (2016), "Efficient location privacy algorithm for Internet of Things (IoT) services and applications", Journal of Network and Computer Applications, pp. 1-11.

13. Gangmin Li, Zhun Shen (2013), "A Middleware Architecture for Price Comparison Service on Mobile Phones", Procedia Computer Science, Volume 17, 2013, Pages 545-553;

14. Simon Buckingham Shum, Victoria S. Uren, Gangmin Li, Bertrand Sereno, Clara Mancini (2007), "Modeling naturalistic argumentation in research literatures: Representation and interaction design issues". Int. J. Intell. Syst. 22(1) (2007): 17-47

15. Buckingham Shum, S., Bachler, M., Li, G.(2006), "Sensemaking Tools for Understanding Research Literatures: Design, Implementation and User Evaluation." International Journal of Human Computer Studies, Vol.64, (2006) 5, PP:420-445.

16. G. Li, A. A. Hopgood, and M. J. Weller (2003), "Shifting Matrix Management: a model for multi-agent cooperation". Engineering Applications of Artificial Intelligence, 16 (2003), pp191-201.

17. Uren, V., Shum, S.B., Li, G., Domingue, J., Motta, E.(2003) "Scholarly publishing and argument in hyperspace", Proceedings of the 12th International Conference on World Wide Web, WWW 2003, pp. 244-250.

18. Gangmin Li, Victoria S. Uren, Enrico Motta, Simon Buckingham Shum, John Domingue (2002), "ClaiMaker: Weaving a Semantic Web of Research Papers." Lecture Notes in Computer Science (including subseries Lecture Notes in Artificial Intelligence and Lecture Notes in Bioinformatics), 2342 LNCS , 2002, pp. 436-441.

5.2 Books

"Foundation of Big Data Analytics: Concepts, Technologies and Business". Autum, 2018. Publisher: China Science Publishing & Media Ltd.(CSPM). ISBN: 978-7-03-058148-8

5.3 Invited papers published in book form: (most recent at the top)

1. Sutcliffe, A.G. & Li, G. (2002) Connecting Business Modelling to Requirements Engineering. In P. Henderson (ed.) Systems Engineering for Business Process Change: collected papers from the EPSRC Research Programme, 91-105. London: Springer.

2. Simon Buckingham Shum, Victoria Uren, Gangmin Li, John Domingue, Enrico Motta. (2002) Visualizing Internetworked Argumentation, in "Visualizing Argumentation: Software Tools for Collaborative and Educational Sense-Making". Paul A. Kirschner, Simon J. Buckingham Shum and Chad S. Carr (Eds), Springer-Verlag: London.

5.4 Refereed Conferences: (most recent at the top, Most paper are searchable from Google and IEEE Xplore)

1. Xiangzhi Tong, Pin Ni; Qingge Li; QiAo Yuan; Junru Liu; Hanzhe Lu; Gangmin Li, "Urban Crime Trends Analysis and Occurrence Possibility Prediction based on Light Gradient Boosting Machine," *2021 IEEE 4th International Conference on Big Data and Artificial Intelligence (BDAI),* 2021, pp. 98-103, doi: 10.1109/BDAI52447.2021.9515252.

2. QiAo Yuan; Pin Ni; Junru Liu; Xiangzhi Tong; Hanzhe Lu; Gangmin Li; Steven Guan, "An Encoder-decoder Architecture with Graph Convolutional Networks for Abstractive Summarization," *2021 IEEE 4th International Conference on Big Data and Artificial Intelligence (BDAI)*, 2021, pp. 91-97, doi: 10.1109/BDAI52447.2021.9515256.

3. **Jing Qian, Gangmin Li, Katie Atkinson and Yong Yue, "Negative sampling in knowledge representation learning: a mini-review", 10th International Conference on Artificial Intelligence, Soft Computing and Applications (AIAA 2020), November 28 ~ 29, 2020, London, United Kingdom.**

4. **Y. Li, P. Ni, Gangmin Li, Victor Chang (2020), "Effective Piecewise CNN with Attention Mechanism for Distant Supervision on Relation Extraction Task", 5th International Conference on Complexity, Future Information Systems and Risk 2020 (COMPLEXIS 2020) Prague, Czech Republic, May 2020, 6 pages.**

5. **Gautam Pal, Gangmin Li, Katie Atkinson (2020): "Managing Heterogeneous Data on a Big Data Platform: A Multi-Criteria Decision Making Model for Data-Intensive Science". In: 2020 IEEE International Conference on Big Data and Smart Computing (BigComp) 2020. Busan, Korea (South),19-22 Feb. 2020, https://ieeexplore.ieee.org/document/9070602. acceptance rate: 23%, 11 pages.**

6. **Zhuo Wang, Yanghui Zhou and Gangmin Li (2020), "Anomaly detection by using Streaming K-Means and Batch K-Means", IEEE 5th International Conference on Big Data Analysis (ICBDA 2020), March 6-9, 2020, Xiamen, China. 4 pages.**

7. **Gangmin Li, Jinying Zhong, Yong Yue, (2019), "Evaluation of Ensemble Approaches in Sentiment Analysis", 2019 International Conference on Artificial Intelligence, Information Processing and Cloud Computing (AIIPCC2019), Sanya, China, December 19-21, 2019. 4 pages.**

8. **Ziyue Qiu, Yuming Li, Pin Ni and Gangmin Li (2019), "Credit Risk Scoring Analysis Based on Machine Learning Models", in the proceedings of IEEE 2019 6th International Conference on Information Science and Control Engineering (ICISCE 2019), December 20-22, 2019, in Shanghai, China.**

9. **Zhuo Wang, Yanghui Zhou and Gangmin Li (2019), "Anomaly detection for machinery by using Big Data Real-Time processing and clustering technique", The 3rd International Conference on Big Data Research (ICBDR 2019), EISTI, Paris, France, Nov. 20-22, 2019**

10. **Yuming Li, Pin Ni, Gangmin Li, Xutao Wang and Zhenjin Dai (2019), "Inter-Personal Relation Extraction Model Based on Bidirectional GRU and Attention Mechanism", 2019 5th IEEE International Conference on Computer and Communications (ICCC), Chengdu, China, December 6-9, 2019. Procedding p1867-1871. ISBN:978-1-7281-4742-0.**

11. **Haowei song, Gangmin Li, Suzhe Hou, Yuanying Qu, Xuming Bai (2019), "Using Structured event to represent complaints of patients: a medical assistant for doctors", 2019 5th IEEE International Conference on Computer and Communications (ICCC), Chengdu, China, December 6-9, 2019. Procedding p2193-2197. ISBN:978-1-7281-4742-0.**

12. **Yuming Li, Pin Ni, Junkun Peng, Jiayi Zhu, Zhenjin Dai, Gangmin Li and Xuming Bai, "A Joint Model of Clinical Domain Classification and Slot Filling Based on RCNN and BiGRU-CRF", 2019 IEEE International Conference on Big Data (IEEE BigData 2019), December 9-12,2019, Los Angeles, CA, USA.**

13. **Junkun Peng, Pin Ni, Jiayi Zhu, Zhenjin Dai, Yuming Li, Gangmin Li, and Xuming Bai, "Automatic Generation of Electronic Medical Record Based on GPT2 Model", 2019 IEEE International Conference on Big Data (IEEE BigData 2019), December 9-12,2019, Los Angeles, CA, USA.**

14. **Jiayi Zhu, Pin Ni, Yuming Li, Junkun Peng, Zhenjin Dai, Gangmin Li, and Xuming Bai, "A Word2vec Based on Chinese Biomedical Domain Knowledge", 2019 IEEE International Conference on Big Data (IEEE BigData 2019), December 9-12,2019, Los Angeles, CA, USA.**

15. **Pin Ni, Yuming Li, Jiayi Zhu, Junkun Peng, Zhenjin Dai, Gangmin Li, and Xuming Bai, Disease Diagnosis Prediction of EMR Based on BiGRU-Att-CapsNetwork Model", 2019 IEEE International Conference on Big Data (IEEE BigData 2019), December 9-12,2019, Los Angeles, CA, USA.**

16. **Haowei song, Gangmin Li, Suzhe Hou, Yuanying Qu, Xuming Bai (2019), "Translate and Summarize Complaints of Patient to Electronic Health Record by BiLSTM-CNN Attention model", the 2019 12th International Congress on Image and Signal Processing, BioMedical Engineering and Informatics (CISP-BMEI 2019), Huaqiao, Suzhou, China, 19 - 21 October 2019.**

17. **Gangmin Li, Haowei Song, yuanying qu, Liu Lu, Xuming Bai (2019), "Medical diagnosis by of Patients' Complaints and Machine Learning", the 2019 12th International Congress on Image and Signal Processing, BioMedical Engineering and Informatics (CISP-BMEI 2019), Huaqiao, Suzhou, China, 19 – 21, October, 2019.**

18. **Zhenjin Dai, Xutao Wang, Pin Ni, Yuming Li, Gangmin Li, Xuming Bai (2019), "Named Entity Recognition based on Language Model and BiLSTM-CRF for Chinese Electronic Health Records", the 2019 12th International Congress on Image and Signal Processing, BioMedical Engineering and Informatics (CISP-BMEI 2019), Huaqiao, Suzhou, China, 19 - 21 October 2019.** https://ieeexplore.ieee.org/document/8965823

19. **Gangmin Li *# , Yifu Qian, Yingjian Huang Jiamin Chen and Xuming Bai (2019), "Building Electronic Health Record using Voice Recognition and Big Data Techniques", Proceedings of the 2nd Symposium on Health and Education 2019 (SOHE 2019) May 24-26, 2019, Suzhou, China. Published on "Advances in Social Science, Education and Humanities Research", May 2019, ISBN 978-94-6252-731-7, ISSN, 2352-5398, DOI: https://doi.org/10.2991/sohe-19.2019.23, https://download.atlantis-press.com/article/125909252.pdf**

20. **Gangmin Li#, Yilin Zhao and Yong Yue (2019), "A Model to Harness Heterogeneous data for Urban Traffic", procecddings of 2019 International Conference On Information Technology, Electrical And Electronic Engineering (Iteee 2019), P296-301, Sanya, China. Jan 20-21, 2019, ISBN: 978-1-60595-606-0, ISSN: 2475-8841, DOI: 10.12783/dtcse/iteee2019/28759, http://www.dpi-proceedings.com/index.php/dtcse/article/view/28759/27843**

21. *Gangmin Li#, Jianze Gu and Xuming Bai (2018). "Study of the Effectiveness of TIVAPDS Treatment on Cancer through BD", ICSAI2018, Nanjing, China, 10-12th Nov, 2018. Due to publish on IEEE Conference Record Number 46413XP, ISBN:978-1-7281-0119-4. DOI: 10.1109/ICSAI.2018.8599466, https://ieeexplore.ieee.org/document/#*

22. *Gangmin Li# ,Songhua Liu and Xuming Bai (2018) , "Research on Design a Patient Satisfaction Scoring Model", ISERD - 466th International Conference on Medical and Health Sciences (ICMHS), Paper Code – 8609, 2018-10-02, Dublin, Ireland*

23. *Gautam Pal, Gangmin Li and Katie Atkinson (2018), "Big data ingestion and lifelong learning architecture ", IEEE Big Data 2018, P:5420-5423, Dec 10-13, 2018, Seattle, WA, USA.*

24. *Gangmin Li and Shiyang Zhang (2018), "Evaluate Cancer Patients Quality of Life after Receiving TIVAPDS Treatment through Big Data Analytics", CICET'2018, 29-31 October 2018, Tamsui Campus, Tamkang University, New Taipei, Taiwan, paper 28*

25. *Gangmin Li and Bei Yao (2018), "Classification of Genetic Mutations for Cancer Treatment with Machine Learning Approaches", CICET'2018, 29-31 October 2018, Tamsui Campus, Tamkang University, New Taipei, Taiwan. Paper 27*

26. *Gautam Pal, Gangmin Li and Katie Atkinson (2018), "Near Real-Time Big Data Stream Processing Platform Using Cassandra", IEEE Sponsored 4TH International Conference for Convergence in Technology (I2CT) 2018. Mangalore, karnataka, India*

27. *Gautam Pal, Gangmin Li and Katie Atkinson (2018), "Big Data Real-Time Clickstream Data Ingestion Paradigm for E-Commerce Analytics", IEEE Sponsored 4TH International Conference for Convergence in Technology (I2CT) 2018. Mangalore, karnataka, India*

28. *Gautam Pal, Gangmin Li and Katie Atkinson (2018), "Near Real-Time Big Data Stream Processing Platform Using Apache Storm", iCAST2018, September 19 - 21, 2018, Fukuoka, Japan*

29. *Gautam Pal, Gangmin Li and Katie Atkinson (2018), "Near Real-Time Big Data Stream Processing Platform Using Cassandra", IEEE 2 I2C on DATA STREAM MINING & PROCESSING (IEEE DSMP' 2018), 21–25 AUGUST 2018, LVIV Ukraine.*

30. *Jing Qian, Gangmin Li, (2018) "Study of Elliptical Copulas on Modelling Tail Behaviours of Loss-Given-Default", International Conference on Information Society and Smart Cities (ISC'2018, 27-28 June 2018), Fitzwilliam College, University of Cambridge, Cambridge city, United Kingdom*

31. *Gautam Pal, Gangmin Li, Katie Atkinson (2018), "Implicit Feedback Based Recommender System Using Big Data Item-to-Item Collaborative Filtering", CICET'2018, 29-31 October 2018, Tamsui Campus, Tamkang University, New Taipei, Taiwan*

32. *Gautam Pal, Gangmin Li, Katie Atkinson: NoSQL Platforms and Selection Through Multi-agent Decision Making. In: IEEE 5th International Conference for Convergence in Technology, Pune, India.*

33. *Gautam Pal, Gangmin Li, Katie Atkinson (2018), "Top-n recommender system using big data item-to-item collaborative filtering", International Conference on INTERNET STUDIES (NETs2018), April 2-4, 2018, Takamatsu, Japan*

34. Gangmin Li, Minghuang Chi and Gautam Pal (2017), "Expert CF: Sparse data matrix completion with artificial experts", The International Conference on Recent Advancements in Computing, IoT and Computer Engineering Technology (CICET 2017), Tamsui, Taipei, October 23-25, 2017.

35. Gautam Pal, Gangmin Li, Katie Atkinson (2017), "Multi-agent item to item contextual Big Data recommender system", The International Conference on Recent Advancements in Computing, IoT and Computer Engineering Technology (CICET 2017), Tamsui, Taipei, October 23-25, 2017.

36. Gangmin Li (2017). "Innovation-Driven Teaching and Learning in Internet+ Age", The third International conference on Education and Social Development, ICESD2017, Xi'an, China. 2017. On proceedings P680-686, ISBN 978-1-60595-444-8.

37. Gangmin Li (2017). "Scenario-based iterative teaching model for building innovative skills", the conference on teaching and learning reform and skills build in Internet+ age, Chengdu, China. 2017.

38. Gangmin Li (2017). "Big Data Analytics: Another buzzword with in an old concept - but why?" International conference on Big Data Analytics and Business Intelligence, ICBA&BI'2017.

39. Gangmin Li, Minghang Chi (2017), "Collaborative Filtering with Experts' Opinion", International conference on Big Data Analytics and Business Intelligence, ICBA&BI'2017.

40. Ziyang Zhang, Gangmin Li (2017), "Geographical Data Driven-Service For Mobile Applications", International conference on Big Data Analytics and Business Intelligence, ICBA&BI'2017.

41. Zhengyi Yin and Gangmin Li (2017), "Predicting users' demographic characteristics with XGboost", International conference on Big Data Analytics and Business Intelligence, ICBA&BI'2017.

42. Junwei Rao and Gangmin Li (2017), "Valuable users predication with Gradient Boosting for Rad Hat", International conference on Big Data Analytics and Business Intelligence, ICBA&BI'2017.

43. Albert Bastian, Gangmin Li (2017), "Chaining different analyses in a Big Data Application", International conference on Big Data Analytics and Business Intelligence, ICBA&BI'2017.

44. Gangmin Li. "Organisational Knowledge Acquisition with Contested Collective Intelligence in the Web Environment", International Conference on Electronic Engineering and Computer Science (ICEECS2016), Hangzhou, China.

45. Gangmin Li (2016). "Formalisation of Contested Collective Intelligence", IIE Int'l Conference on Latest Trends in Engineering and Technology (ICLTET'2016), May 5-6, 2016 Dubai, UAE.

46. Gangmin Li (2015), "Contested Collective Intelligence for Knowledge Networks Construction and Services", International conference on Computing and Technology Innovation (CTI 2015), 27th-28th May 2016, best paper.

47. G. Li, Z. Shen., " A Middleware Architecture for Price Comparison Service on Mobile Phones" in the First International Conference on Information Technology and Quantitative Management, Suzhou, Jiangsu China, May, 2013.

48. Li, Gangmin (2008) "Economic sense of Metcalfe's Law". pp. 55-59. In: Proceedings of the First International Workshop on Understanding Web Evolution (WebEvolve2008), 22 Apr 2008, Beijing, China. ISBN 978 085432885 7.

49. Boardman, R., Crouch, S., Mills, H., Newhouse, S. Li, G., and Papay, J. (2007) Towards Grid Interoperability. In: All Hands Meeting 2007, OMII-UK Workshop, 10 September - 13 September, 2007, Nottingham, UK.

50. Bradley, J., Brown, C., Carpenter, B., Chang, V., Crisp, J., Crouch, S., De Roure, D., Newhouse, S., Li, G., Papay, J., Walker, C. and Wookey, A. (2006) the OMII Software Distribution. In: All Hands Meeting 2006, 18th-21st September 2006, East Midlands Conference Centre, Nottingham.

51. Buckingham Shum, S., Uren, V., Mancini, C,. Li, G., (2004) Computer Supported Collaborative Modelling of Naturalistic Argumentation in Research Literatures. European Conference on Artificial Intelligence, Valencia, Spain.

52. Uren, V., Buckingham Shum, S., Mancini, C,. Li, G., Modelling Naturalistic Argumentation in Research Literatures. ECAI 2004, Valencia, Spain.

53. Uren, V., Buckingham Shum, S., Li, G., Domingue, J., Motta, E., (2003) Scholarly Publishing and Argument in Hyperspace. Twelfth International World Wide Web Conference, Budapest, Hungary. PDF available http://portal.acm.org/citation.cfm?id=775187

54. Li G., Uren, V., Motta, E., Buckingham Shum, S., Domingue, J., (2002) ClaiMaker: Weaving a Semantic Web of Research Papers. 1st International Semantic Web Conference (ISWC2002).

55. Uren, V., Sereno, B,. Buckingham Shum, S., Li, G.(2002), Interfaces for capturing interpretations of research literature. Knowledge Capture Conference, Florida, USA. (pdf file available)

56. Buckingham Shum, S., Uren, V., Li, G., Domingue, J., Motta, E., Mancini, C,. (2002) Designing Representational Coherence into an Infrastructure for Collective Sensemaking. International Workshop on Infrastructures for Distributed Collective Practices, San Diego, US.

57. Gangmin Li and Alistair G. Sutcliffe, E-Commerce and Inter-organisational Relationships. In Proceedings of ICeCE 2001, Xi'an, P.R.China, September 16-18.

58. Selvin, A., Buckingham Shum, S., Sierhuis, M., Conklin, J., Zimmermann, B., Palus, C., Drath, W., Horth, D., Domingue, J., Motta, E. and Li, G. (2001). Compendium: Making Meetings into Knowledge Events. In Proc. of Knowledge Technologies 2001, March 4-7, 2001, Austin TX

59. A.G.Sutcliffe and G.Li, (2000). Connecting Business Modelling to Requirements Engineering. A chapter of a book summarise all the projects under SEBPC program.

60. G.Li, A.A.Hopgood, and M.J.Weller. Disembodied Agents: achieving decentralised control through a centralised blackboard.

61. G.li (1998), Multi-agent systems: Towards Computers and Humans Cohabitation. In Proc. of the 3rd Annual meeting of Young Chinese Scientists. Beijing, China. Page:88-94.

62. G.li, M.J. Weller, and A.A. Hopgood (1997). Shifting Matrix Management - A Framework for Multi-agent Cooperation. In Proceedings of PAAM'97, London, UK. Page:353-364.

5.5   Non-Refereed Conferences: (most recent at the top)

1. Gangmin Li (2017), "Innovation driven teaching and learning: CSE313 Big Data Analytics module report", 2017 XJTLU Annual Learning and Teaching Colloquium.

2. Gangmin Li (2017). "Innovation-Driven Teaching and Learning in Internet+ Age", the third International conference on Education and Social Development, ICESD2017, Xi'an, China. 2017.

3. Gangmin Li (2017). "Scenario-based iterative teaching model for building innovative skills", the conference on teaching and learning reform and skills build in Internet+ age, Chengdu, China. 2017.

5.6   INVITATIONS TO SPEAK (most recent at the top)

1. **Plenary Speaker** of the **2nd International Conference on Advanced Information Science and System (AISS 2020)**: http://www.aiss2020.net/

2. Gangmin Li (2019) "FinTech and TechFin – Big Data and AI", 6th Nov, 2019, Beijing VISA innovation center, China

3. Gangmin Li (2019) "Research dirve immensive teaching to enhance Information and Computing Science Education", 27th May, 2019, KunShan Duke University.

4. Gangmin Li (2019) "Knowledge Graph/networks blending Big Data, Machine learning together to provide Intelligent services", 20th May, 2019, Suzhou, XJTLU Research festival.

5. Gangmin Li (2019) "Using Disruptive Technologies for Innovation by Adapting to the Maturity of the Market", 24th April, 2019, Microsoft, Beijing. International roundtable meeting.

6. Gangmin Li (2019) "AI and Healthcare: Lesions learnt and issues of clinical projects", 22nd March 2019, HIS and ITTC collaboration event.

7. Gangmin Li (2019), "Disruptive technologies that no one can offered to ignore", Portsmouth university, 10th March, 2019.

8. Gangmin Li (2019), "Innovition and disruptive technology", 12th March, 2019, Cambridge Chinese Center.

9. Gangmin Li (2018), "Disruptive technology: No one can offerd to ignore", 21st Nov. 2018, Suzhou, Chief Executive training course, CITIC Bank.

10. Gangmin Li (2018), "Disruptive technology and Innovation", 17th July, 2018, ExecED programme for Essilor.

11. Gangmin Li (2018), "Big Data Analytics for Business Orgonisations", 15th May, 2018, ExecED programme for NTU.

12. Gangmin Li (2017), "Big Data and AI", 7th Dec, 2017, Suzhou, ExecED programme for CREC.

13. Gangmin Li (2017), "Disruptive technology: how to react", 13th June, 2017, Suzhou, CRRC International Talent Development Programme.

14. Gangmin Li (2017), "Innovation driven teaching and learning: CSE313 Big Data Analytics module report", 2017 XJTLU Annual Learning and Teaching Colloquium。

15. Gangmin Li (2017). "Innovation-Driven Teaching and Learning in Internet+ Age", the third International conference on Education and Social Development, ICESD2017, Xi'an, China. 2017.

16. "BDA development and Pragmatic Web – science or technology: Internet, Grid, Clouds and Internet of things", December 24, 2011, Yancheng Industrial and technology College, Yancheng, Jiangsu.

17. "Economic sense of Metcalfe's Law", International Workshop on Understanding Web Evolution (WebEvolve2008), Beijing, China, 22 Apr 2008

18. "UK e-Sceince and Grid". Invited talk to Institute of Computing Technology", Chinese Science of Academy, Beijing, 2007

19. "Economics View – impact of internet for Business" . Xi'an Business Week. Xi'an China, 2004.

20. "Agent and multi-agent system" invited talk in Beijing, Yong Chinese Scientists Meeting. Beijing, 2000

5.7 Invited Reviews (most recent at the top)

1. Self-Adaptive Wireless Sensor and Actuator Networks. Research proposal. University of KU Leuven (2013)

2. DDoS flooding attack detection through a step-by-step investigation. NESEA2011

3. Eliminating Implicit Dependencies in Component Models for Networked Embedded Systems. NESEA2011

4. Design and Construction of a Yeast Gene Bayesian Regulatory Network. NESEA2010

5. Reviewer of International Journal of Distributed Sensor Networks 2011- now.

5.8 International Journals and Conferences

Editor of:

Editor of International Journal of Computer & Software Engineering (IJCSE), which is a scholarly, double blind peer-reviewed and fully refereed academic journal. Chief Editor of special issue on Advances in Machine Learning, Large Scale Optimization & Statistics.

Programme committee:

DMDB 2020, Sydney, Australia and also the same category AIRCC conferences worldwide in the year of 2020.

IEEE International Conference on Computer and Communications **(ICCC)2019-**

ACAI2018-

CICET'2016-

ICBA&BI2017-

ICESD2017-

6   Patents

201210143803.3, SIPO, China, graphical indicator of information visualization methods and systems.

201210143806.7, SIPO, China, construction methods for commodity price database and systems.

201210143805.2, SIPO, China, web information abstraction on mobile devices.

7   Prizes and Awards received

XJTLU 2018 most innovative teaching award.

Jiangsu DOE Elite module taught in English (CSE313). 100,000RMB (2016)

CSE313 Big data analytics is selected as sample module for Jiangsu Branding programme Jiangsu. 2017

CSE313 Big data analytics is selected to enter Jiangsu MOOC online module, 2018

Best paper. Gangmin Li, "Contested Collective Intelligence for Knowledge Networks Construction and Services", International conference on Computing and Technology Innovation (CTI 2015), 27th-28th May 2015

CSE313 Big data analytics is awarded the elite module of Jiangsu, 2016

8   Other Activities

8.1 Industrial consultance:

- **Wuxi Youngyou Soft, China, multiple projects, 2020 -**
- Canairy Ltd. UK, IOT data aggregation platform 2021 –
- Graduation Attire t/a Evess, UK, Data Analytics, 2021 –

9   Date of Last update of CV

28-October-2021