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Min Chen is a full professor in School of Computer Science and Technology at Huazhong University of Science and Technology (HUST) since Feb. 2012. He is the director of Embedded and Pervasive Computing (EPIC) Lab at HUST. He is the founding *Chair* of IEEE Computer Society (CS) Special Technical Communities (STC) on Big Data. He was an assistant professor in School of Computer Science and Engineering at Seoul National University (SNU). He worked as a Post-Doctoral Fellow in Department of Electrical and Computer Engineering at University of British Columbia (UBC) for three years. Before joining UBC, he was a Post-Doctoral Fellow at SNU for one and half years. He received **Best Paper Award** from *QShine 2008, IEEE ICC 2012, ICST IndustrialIoT 2016, and IEEE IWCMC 2016*. He serves as technical editor or associate editor for *IEEE Network, Information Sciences, Information Fusion, and IEEE Access*, etc. He served as a leading Guest Editor for *IEEE Wireless Communications, IEEE Network, and IEEE Trans. Service Computing*, etc. He is a Series Editor for IEEE Journal on Selected Areas in Communications. He is *Co-Chair* of *IEEE ICC 2012-Communications Theory Symposium*, and *Co-Chair* of *IEEE ICC 2013-Wireless Networks Symposium*. He is *General Co-Chair* for IEEE CIT-2012, Tridentcom 2014, Mobimedia 2015, and Tridentcom 2017. He is *Keynote Speaker* for CyberC 2012, Ubiquitous 2012, Cloudcomp 2015, IndustrialIoT 2016, Tridentcom 2017 and The 7th Brainstorming Workshop on 5G Wireless. He has 300+ publications, including 200+ SCI papers, 100+ IEEE Trans./Journal papers, 34 *ESI highly cited papers* and 12 *ESI hot papers*. He has published a dozen books: *OPNET IoT Simulation (2015)*, *Big Data Inspiration (2015)*, *5G Software Defined Networks (2016)*, *Introduction to Cognitive Computing (2017)*, and *Artificial Intelligence Communication Theory and Methods (2020)* with HUST Press, *Big Data: Related Technologies, Challenges and Future Prospects (2014)* and *Cloud Based 5G Wireless Networks (2016)* with Springer, *Cognitive Computing and Deep Learning (2018)* with China Machine Press, and *Big Data Analytics for Cloud/IoT and Cognitive Computing (2017)* with Wiley. His Google Scholar Citations reached **21,800+** with an h-index of 73 and i10-index of 224. His top paper was cited **2650+** times. He is an IEEE Senior Member since 2009. He was selected as Highly Cited Research at 2018. He got IEEE Communications Society **Fred W. Ellersick Prize** in 2017, and the IEEE **Jack Neubauer Memorial Award** in 2019. His research focuses on cognitive computing, 5G Networks, wearable computing, big data analytics, robotics, machine learning, deep learning, emotion detection, and mobile edge computing, etc.

Education and Work Experience

Mar. 2012 – present	<i>Professor</i> , School of Computer Science and Technology, Huazhong University of Science and Technology, Wuhan, China.
Mar. 2012 – present	<i>Director</i> , Embedded and Pervasive Computing (EPIC) Lab, Huazhong University of Science and Technology, Wuhan, China.
Sep. 2009 – Feb. 2012	<i>Assistant Professor</i> , School of Computer Science and Engineering, Seoul National University, Seoul, Korea.
Mar. 2009 – Aug. 2009	<i>R&D Director</i> , Confederal Network Inc., USA
Mar. 2006 – Feb. 2009	<i>Post-doctoral Fellow</i> , Dept. of Electrical and Computer Engineering, University of British Columbia, Vancouver, Canada.
Oct. 2004 – Feb. 2006	<i>Post-doctoral Fellow</i> , Computer Science and Engineering, Seoul National

	University, Seoul, Korea.
Sep. 2001 – Jul. 2004	<i>Ph.D.</i> , School of Electronic and Information Engineering, South China University of Technology, China (Advisor : Prof. Gang Wei) Obained Ph.D degree at Age 23.
Sep. 1999 – Jul. 2001	<i>Master</i> , School of Electronic and Information Engineering, South China University of Technology, China (Advisor : Prof. Gang Wei)
Sep. 1996 – Jul. 1999	<i>Bachelor</i> , School of Electronic and Information Engineering, South China University of Technology, China. (Finished four years' undergraduate learning program in three years therefore recommended for admission to start Master's program one year earlier than normal in 1999)

Publications: 2020	
1	Min Chen , Y. Miao, H. Gharavi, L. Hu, I. Humar, "Intelligent Traffic Adaptive Resource Allocation for Edge Computing-based 5G Networks", <i>IEEE Trans. Cognitive Communications and Networking</i> , Vol. 6, No. 2, pp. 499-508, June 2020.
2	Y. Hao, Min Chen , D. Cao, W. Zhao, I. Petrov, V. Antonenko, R. Smeliansky, "Cognitive-Caching: Cognitive Wireless Mobile Caching by Learning Fine-Grained Caching-Aware Indicators", <i>IEEE Wireless Communications</i> , Vol. 27, No. 1, pp. 100-106, Feb. 2020.
3	Min Chen , Y. Jiang, Y. Cao, A. Zomaya, "CreativeBioMan: Brain and Body Wearable Computing based Creative Gaming System", <i>IEEE Systems, Man, and Cybernetics Magazine</i> , Vol. 6, No. 1, pp. 14-22, Jan. 2020.
4	Min Chen , Y. Jiang, N. Guizani, J. Zhou, G. Tao, J. Yin, K. Hwang, "Living with I-Fabric: Smart Living powered by Intelligent Fabric and Deep Analytics", <i>IEEE Network</i> , DOI: 10.1109/MNET.011.1900570, Apr. 2020.
5	Min Chen , Y. Hao, "Label-less Learning for Emotion Cognition", <i>IEEE Transactions on Neural Networks and Learning Systems</i> , DOI: 10.1109/TNNLS.2019.2929071, 2019. (JCR Q1, IF:11.683)
6	Min Chen , P. Zhou, D. Wu, L. Hu, M. Hassan, A. Alamri, "AI-Skin: Skin Disease Recognition based on Self-learning and Wide Data Collection through a Closed Loop Framework", <i>Information Fusion</i> , Vol. 54, pp. 1-9, Feb. 2020. (JCR Q1, IF:10.639)
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8	Y. Zhou, J. Chen, G. Ye, D. Wu, J. Wang, Min Chen , "Collaboratively Replicating Encoded Content on RSUs to Enhance Download of Moving Vehicles", <i>IEEE Trans. Mobile Computing</i> , DOI: 10.1109/TMC.2019.2960022, 2019.
9	Min Chen , M. Li, Y. Hao, H. Gharavi, L. Wang, Z. Liu, "The Introduction of Population Migration to SEIAR for COVID-19 Epidemic Modelling with an Efficient Intervention Strategy", <i>Information Fusion</i> , 2020.
10	Min Chen , X. Shi, Y. Zhang, D. Wu, M. Guizani, "Deep Features Learning for Medical Image Analysis with Convolutional Autoencoder Neural Network", <i>IEEE Trans. Big Data</i> , DOI:10.1109/TBDATA.2017.2717439, Sep. 2020.
11	Min Chen , Y. Qian, K. Hwang, J. Song, S. Mao, "Privacy Protection and Intrusion Avoidance for Cloudlet-based Medical Data Sharing", <i>IEEE Trans. Cloud Computing</i> , DOI: 10.1109/TCC.2016.2617382, online published.
12	X. Wang, Min Chen (corresponding author) , V. Leung, Z. Han, K. Hwang, "Integrating Social Networks with Mobile Device-to-Device Services", <i>IEEE Trans. Service Computing</i> , DOI: 10.1109/TSC.2018.2867437, 2018. (JCR Q1, IF:3.52)
13	L. Hu, W. Li, J. Yang, G. Fortino, Min Chen , "A Sustainable Multi-modal Multi-layer Emotion-aware Service at the Edge", <i>IEEE Trans. Sustainable Computing</i> , DOI: 10.1109/TSUSC.2019.2928316, 2019.
14	J. Chen, C. Wang, Z. Zhao, Min Chen , R. Du, G. Ahn, "Semantics-Aware Privacy Risk Assessment Using Self-Learning Weight Assignment for Mobile Apps", <i>IEEE Trans. Dependable and Secure Computing</i> , DOI: 10.1109/TDSC.2018.2871682, 2018.

15	M. Hu, D. Wu, W. Wu, J. Cheng, Min Chen , "Quantifying the Influence of Intermittent Connectivity on Mobile Edge Computing", <i>IEEE Transactions on Cloud Computing</i> , DOI: 10.1109/TCC.2019.2926702, 2019.
16	W. Xiao, M. Li, Min Chen , A. Barnawi, "Deep Interaction: Wearable Robot-assisted Emotion Communication for Enhancing Perception and Expression Ability of Children with Autism Spectrum Disorders", <i>Future Generation Computer Systems</i> , Vol. 108, pp. 709-716, Jul. 2020. (JCR Q1, IF:5.768)
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2	Min Chen , Y. Hao, H. Gharavi, V. Leung, "Cognitive Information Measurements: A New Perspective", <i>Information Science</i> , Vol. 505, pp. 487-497, Dec. 2019.(JCR Q1, IF:4.832)
3	Min Chen , Y. Cao, R. Wang, Y. Li, D. Wu, Z. Liu, "DeepFocus: Deep Encoding Brainwaves and Emotions with Multi-scenario Behavior Analytics for Human Attention Enhancement", <i>IEEE Network</i> , Vol. 33, No. 6, pp. 70-77, 2019.
4	Y. Hao, Y. Jiang, T. Chen, D. Cao, Min Chen , "iTaskOffloading: Intelligent Task Offloading for Cloud-Edge Collaborative System", <i>IEEE Network</i> , Vol. 33, No. 5, pp. 82-88, Sep. 2019.
5	Y. Hao, L. Hu, Y. Qian, Min Chen , "Profit Maximization for Video Caching and Processing in Edge Cloud", <i>IEEE Journal on Selected Areas in Communications</i> , Vol. 37, No. 7, pp.1632-1641, May 2019.
6	Min Chen , Y. Miao, X. Jian, X. Wang, L. Hu, "Cognitive-LPWAN: Towards Intelligent Wireless Services in Hybrid Low Power Wide Area Networks", <i>IEEE Trans. Green Communications and Networking</i> , Vol. 3, No. 2, pp. 407-417, June 2019.
7	Min Chen , Y. Miao, I. Humar, "OPNET IoT Simulation", <i>Springer Nature</i> , Singapore, 600 pages, April 2019. Professional Book
8	D. Tian, Y. Zhu, X. Duan, J. Hu, Z. Sheng, Min Chen , J. Wang, Y. Wang, "An Effective Fuel Level Data Cleaning And Repairing Method for Vehicle Monitor Platform," <i>IEEE Transactions on Industrial Informatics</i> , Vol. 15, No. 1, pp. 410-422, 2019. (JCR Q1, IF:5.43)
9	Y. Ma, Y. Hao, Min Chen , J. Chen, P. Lu, A. Kosir, "Audio-visual emotion fusion (AVEF): A deep efficient weighted approach", <i>Information Fusion</i> , Vol. 46, pp. 184-192, 2019. (JCR Q1, IF:6.639)
10	L. Liao, V. Leung, Min Chen , "An Efficient and Accurate Link Latency Monitoring Method for Low Latency Software Defined Networks", <i>IEEE Transactions on Instrumentation & Measurement</i> , Vol. 68, No. 2, pp. 377-391, Feb. 2019.
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18	X. Wang, D. Yang, X. Jiang, Min Chen , J. Guna, "Performance analysis and optimization for coverage enhancement strategy of Narrow-band Internet of Things", <i>Future Generation Computer Systems</i> , Vol. 101, pp. 434-443, Dec. 2019. (JCR Q1, IF:5.768)
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21	A. Konev, R. Khaydarova, M. Lapaev, L. Feng, L. Hu, Min Chen (corresponding author), I. Bondarenko, "CHPC: A complex semantic-based secured approach to heritage preservation and secure IoT-based museum processes", <i>Computer Communications</i> , Vol. 148, pp. 240-249, Dec. 2019.
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2	Min Chen , Y. Hao, C. Lai, D. Wu, Y. Li, K. Hwang, "Opportunistic Task Scheduling over Co-Located Clouds in Mobile Environment", <i>IEEE Trans. Service Computing</i> , Vol. 11, No. 3, pp. 549-561, 2018.
3	Min Chen , Y. Hao, L. Hu, M. Hossain, A. Ghoneim, "Edge-CoCaCo: Toward Joint Optimization of Computation, Caching and Communication on Edge Cloud", <i>IEEE Wireless Communications</i> , Vol. 25, No. 3, pp. 21-27, June 2018. (JCR Q1, IF: 8.972)
4	Min Chen , J. Yang, J. Zhou, Y. Hao, J. Zhang, C. Youn, "5G-Smart Diabetes: Towards Personalized Diabetes Diagnosis with Healthcare Big Data Clouds", <i>IEEE Communications</i> , Vol. 56, No. 4, pp. 16-23, April 2018. (JCR Q1, IF:10.435) Cover Paper
5	Min Chen , Y. Zhang, M. Qiu, N. Guizani, Y. Hao, "SPHA: Smart Personal Health Advisor Based on Deep Analytics", <i>IEEE Communications</i> , Vol. 56, No. 3, pp. 164-169, Mar. 2018. (JCR Q1, IF:10.435)
6	Min Chen , K. Hwang, "认知计算与深度学习", 华章出版社, IBSN: 978-7-111-58496-4, 2018. [ppt]
7	Min Chen , Y. Hao, K. Lin, L. Hu, Z. Yuan, "Label-less Learning for Traffic Control in an Edge Network", <i>IEEE Network</i> , Vol. 32, No. 6, pp. 8-14, 2018. (JCR Q1, IF:7.230)
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9	Y. Zhou, X. Gu, D. Wu, Min Chen , T. Chan, S. Ho, "Statistical Study of View Preferences for Online Videos With Cross-Platform Information", <i>IEEE Trans. Multimedia</i> , Vol. 20, No. 6, pp. 1512-1524, 2018. (JCR Q1, IF:3.509)
10	D. Tian, J. Zhou, Min Chen , Z. Sheng, Q. Ni, V. Leung, "Cooperative Content Transmission for Vehicular Ad Hoc Networks using Robust Optimization", <i>IEEE INFOCOM 2018</i> , Honolulu, Apr. 15-19, 2018.
11	S. Ramírez-Gallego, A. Fernández, S. García, Min Chen , Francisco Herrera, "Big Data: Tutorial and guidelines on information and process fusion for analytics algorithms with MapReduce", <i>Information Fusion</i> , Vol. 42, pp. 51-61, 2018. (JCR Q1, IF:5.667) ESI Highly Cited Paper
12	Min Chen , Y. Qian, Y. Hao, Y. Li, J. Song, "Data-Driven Computing and Caching in 5G Networks: Architecture and Delay Analysis", <i>IEEE Wireless Communications</i> , Vol. 25, No. 1, pp. 70-75, Feb. 2018. (JCR Q1, IF: 8.972) ESI Highly Cited Paper

13	Y. Qian, Min Chen , J. Chen, M. Hossain, A. Alamri, "Secure Enforcement in Cognitive Internet of Vehicles", <i>IEEE IoT Journal</i> , Vol. 5, No. 2, pp. 1242-1250, 2018. (JCR Q1, IF:7.96)
14	D. Huynh, X. Wang, T. Duong, N. Vo, Min Chen (*corresponding author), "Social-Aware Energy Efficiency Optimization for Device-to-Device Communications in 5G Networks", <i>Computer Communications</i> , Vol. 120, pp. 102-111, May 2018. (JCR Q2, IF:3.338)
15	Min Chen , Y. Tian, G. Fortino, J. Zhang, I. Humar, "Cognitive Internet of Vehicles", <i>Computer Communications</i> , Vol. 120, pp. 58-70, May 2018. (JCR Q2, IF:3.338)
16	D. Tian, C. Liu, Z. Sheng, Q. Ni, Min Chen , V. Leung, "A Distributed Position-Based Protocol for Emergency Messages Broadcasting in Vehicular Ad Hoc Networks", <i>IEEE IoT Journal</i> , Vol. 5, No. 2, pp. 1218-1227, 2018.(JCR Q1, IF:7.96)
17	D. Tian, Z.Dai, J. Zhou, X. Duan, Z. Sheng, Min Chen , Q. Ni, V. Leung "Optimal Epidemic Information Dissemination in Uncertain Dynamic Environment", <i>IEEE Wireless Communications Letter</i> , Vol. 7, No. 4, pp. 518-521, Aug. 2018.(JCR Q2, IF:1.988)
18	W. Sha, Y. Zhu, Min Chen , T. Huang, "Statistical Learning for Anomaly Detection in Cloud Server Systems: A Multi-Order Markov Chain Framework", <i>IEEE Trans. on Cloud Computing</i> , Vol. 6, No. 2, pp. 401-413, 2018.
19	Z. Sheng, C. Mahapatra, V. Leung, Min Chen , P. Sahu, "Energy Efficient Cooperative Computing in Mobile Wireless Sensor Networks", <i>IEEE Trans. on Cloud Computing</i> , Vol. 6, No. 1, pp. 114-126, 2018. ESI Highly Cited Paper
20	Y. Hao, Min Chen , L. Hu, M. Hossain, A. Ghoneim, "Energy Efficient Task Caching and Offloading for Mobile Edge Computing", <i>IEEE Access</i> , Vol. 6, No. 1, pp. 11365-11373, Dec. 2018.
21	D. Tian, J. Wei, J. Zhou, Z. Sheng, Min Chen , N. Qiang, V. Leung, "From Cellular Decision Making to Adaptive Handoff in Heterogeneous Wireless Networks", <i>IEEE Wireless Communications Letters</i> , Vol. 7, No. 1, pp. 2-5, 2018.
22	Min Chen , Y. Miao, L. Hu, "OPNET物联网仿真——基于5G通信与计算的物联网智能应用", 华中科技大学出版社, ISBN 978-7-5680-4755-5, Nov. 2018. (74万字, 477页)
23	H. Zhao, M. Qiu, Min Chen , K. Gai, "Cost-Aware Optimal Data Allocations for Multiple Dimensional Heterogeneous Memories Using Dynamic Programming in Big Data", <i>Journal of Computational Science</i> , Vol. 26, pp. 402-408, 2018. (JCR Q2, IF:1.748)
24	W. Huang, Y. Zhou, X. Xie, D. Wu, Min Chen , E. Ngai, "Buffer State is Enough: Simplifying the Design of QoE-Aware HTTP Adaptive Video Streaming", <i>IEEE Transactions on Broadcasting</i> , Vol. 64, No. 2, pp. 590-601, 2018.
25	Min Chen , Francisco Herrera, Kai Hwang, "Cognitive Computing: Architecture, Technologies and Intelligent Applications", <i>IEEE Access</i> , Vol. 6, pp. 19774-19783, 2018.
26	Min Chen , "5G移动缓存与大数据", 华中科技大学出版社, April 2018.
27	J. Chen, K. He, Q. Yuan, Min Chen , R. Du, Y. Xiang, "Blind Filter at Third Parties: An Efficient Privacy-Preserving Framework for Location-Based Services", <i>IEEE Trans. Mobile Computing</i> , Vol, No. 11, pp. 2524-2535, Nov. 2018.
28	Min Chen , W. Li, Y. Hao, Y. Qian, I. Humar, "Edge Cognitive Computing based Smart Healthcare System", <i>Future Generation Computing System</i> , Vol. 86, pp. 403-411, Sep. 2018. (JCR Q1, IF:4.639)
29	L. Hu, J. Yang, Min Chen , Y. Qian, J. Rodrigues, "SCAI-SVSC: Smart Clothing for Effective Interaction with Sustainable Vital Sign Collection", <i>Future Generation Computing System</i> , Vol. 86, pp. 329-338, Sep. 2018.
30	Min Chen , J. Zhou, G. Tao, J. Yang, L. Hu, "Wearable Affective Robot", <i>IEEE Access</i> , Vol. 6, pp. 64766-64776, 2018.
31	K. Samdanis, A. Prasad, Min Chen , K. Hwang, "Enabling 5G Verticals and Services through Network Softwarization and Slicing", <i>IEEE Communications Standards Magazine</i> , Vol. 2, No. 1, pp. 20-21, March 2018. (Editorial)
32	S. Kim, S. Park, Min Chen , C. Youn, "An Optimal Pricing Scheme for the Energy Efficient Mobile Edge Computation Offloading with OFDMA", <i>IEEE Communications Letters</i> , Vol. 22, No. 9, pp. 1922-1925, Sep. 2018.
34	Min Chen , V. Leung, "From Cloud-based Communications to Cognition-based Communications: A Computing Perspective", <i>Computer Communications</i> , Vol. 128, pp. 74-79,

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35	L. Hu, Y. Qian, Min Chen , M. Hossain, G. Muhammad, "Proactive Cache-based Location Privacy Preserving for Vehicle Networks", <i>IEEE Wireless Communications</i> , Vol. 25, No. 6, pp. 77-83, 2018.
36	Z. Deng, Y. Zhou, D. Wu, G. Ye, Min Chen , L. Xiao, "Utility Maximization of Cloud-Based In-Car Video Recording Over Vehicular Access Networks", <i>IEEE Internet of Things Journal</i> , Vol. 5, No. 6, pp. 5213-5226, Dec. 2018.
37	Min Chen , J. Yang, L. Hu, M. Hossain, G. Muhammad, "Urban Healthcare Big Data System based on Crowdsourced and Cloud-based Air Quality Indicators", <i>IEEE Communications</i> , Vol. 56, No. 11, Nov. 2018. (JCR Q1, IF:10.435)

Publications: 2017	
1	Min Chen , Y. Hao, L. Hu, K. Huang, V. Lau, "Green and Mobility-aware Caching in 5G Networks", <i>IEEE Trans. Wireless Communications</i> , Vol. 16, No. 12, pp. 8347-8361, 2017. (JCR Q1, IF:4.951) ESI Highly Cited Paper
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3	Min Chen , P. Zhou, G. Fortino, "Emotion Communication System", <i>IEEE Access</i> , Vol. 5, pp. 326-337, 2017. (JCR Q2, IF:3.244)
4	Min Chen , Jun Yang, X. Zhu, X. Wang, M. Liu, J. Song, "Smart Home 2.0: Innovative Smart Home System Powered by Botanical IoT and Emotion Detection", <i>Mobile Networks and Applications</i> , Vol. 22, pp. 1159-1169, 2017. (JCR Q2, IF:3.259)
5	Min Chen , Y. Hao, K. Hwang, L. Wang, L. Wang, "Disease Prediction by Machine Learning Over Big Data From Healthcare Communities", <i>IEEE Access</i> , Vol. 5, No. 1, pp. 8869-8879, 2017. (JCR Q2, IF:3.244) Among the most popular paper in IEEExplore
6	Min Chen , J. Yang, Y. Hao, S. Mao, K. Hwang, "A 5G Cognitive System for Healthcare", <i>Big Data and Cognitive Computing</i> , Vol. 1, No. 1, DOI:10.3390/bdcc1010002, 2017.
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8	Y. Hao, Min Chen (corresponding author), L. Hu, J. Song, M. Volk, I. Humar, "Wireless Fractal Ultra-dense Cellular Networks", <i>Sensors</i> , Vol. 17, No. 4, pp. 841-848, 2017. (JCR Q2, IF:2.677)
9	Y. Zhang, Min Chen* , D. Huang, D. Wu, Y. Li, "iDoctor: Personalized and Professionalized Medical Recommendations Based on Hybrid Matrix Factorization", <i>Future Generation Computer Systems</i> , Vol. 66, pp. 30-35, Jan. 2017. (JCR Q1, IF:4.639)
10	K. Gai, M. Qiu, Min Chen , H. Zhao, "SA-EAST: Security-Aware Efficient Data Transmission for ITS in Mobile Heterogeneous Cloud Computing", <i>ACM Transactions on Embedded Computing Systems</i> , Vol. 16, No. 2, pp. 1-22, 2017. (JCR Q3, IF:1.367)
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
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Research Highlights	
1	Founding Editor-in-Chief , Big Data and Cognitive Computing, which has been indexed by Scopus
2	X . Wang, Min Chen , et al., "Cache In The Air: Enabling the Green Multimedia Caching and Delivery for the 5G Network", <i>IEEE Communications Magazine</i> , Vol. 52, No. 2, pp. 131-139, Feb. 2014. 荣获 2017 年度 IEEE Communications Society (通信学会) Fred W. Ellersick Prize 。该奖颁发给 IEEE 通信学会旗下所有期刊在前三年中的最佳原创性研究论文。该奖设立25年以来首次颁发以中国为主的研究团队
3	X. Hou, Y. Li, Min Chen , et al., "Vehicular Fog Computing: A Viewpoint of Vehicles As the Infrastructures", <i>IEEE Trans. Vehicular Technology</i> , Vol. 65, No. 6, pp. 3860-3873, 2016. 荣获 IEEE VT 学会 2019 年度 Jack Neubauer 奖 (was recognized as the Best Systems Paper published in IEEE Transactions on Vehicular Technology. This work obtained IEEE VTS Jack Neubauer Memorial Award at the 2019 IEEE 90th Vehicular Technology Conference held in Hawaii, USA. The award, which is sponsored by Panasonic, granted by the IEEE Foundation and administrated by the IEEE Vehicular Technology Society, acknowledges the best paper of the year published by the Society on the subject of Vehicular Technology Systems and recognizes the valuable contribution of the work to the furtherance of the Society's interests in mobile communications, automotive, and land transportation electronics technology.)
4	Min Chen , "5G移动通信关键技术研究丛书", 入选全省"20种优秀图书" , 湖北省新闻出版总局
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6	2014-2019年度中国高被引学者 , 计算机科学类
7	L. Zhou, Min Chen, B. Zheng, J. Wu, "Green Multimedia Communications over Internet of Things", <i>IEEE International Conference on Communications (ICC'12)</i> , Ottawa, Canada, June 10-15, 2012. (Best Paper Award)
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9	Min Chen , et al., "CP-Robot: Cloud-assisted Pillow Robot for Emotion Sensing and Interaction", <i>Industrial IoT 2016</i> , Guangzhou, China, Mar. 2016. (Best Paper Award)
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11	Popular Content of this publication, as of Jan 30, 2015 Min Chen , S. Mao, Y. Liu, "Big Data: A Survey", <i>ACM/Springer Mobile Networks and Applications</i> , Vol. 19, No. 2, pp. 171-209, April 2014.

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29	"绿色无线通信与网络基础理论与方法", 2015年中国通信学会自然科学技术二等奖 , 2016. (第二完成人)
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31	Min Chen , et al., "Disease Prediction by Machine Learning over Big Healthcare Data", <i>IEEE Access</i> , Vol. 5, No. 1, pp. 8869-8879, 2017. Among the most popular paper in IEEEExplore
32	第一作者论文[<i>IEEE Communications Surveys and Tutorials</i> 16(1) 2014, IF:17.188] 获湖北省优秀学术论文一等奖。
33	首次提出 Beyond-BAN 概念，通过体域网端与云端的融合，实现了健康大数据可持续性采集与管理。相关论文 [<i>ACM MONET</i> 16(2) 2011, IF:3.259] SCI引用451次 ，该刊1999年以来所有1200余篇论文

	中，被引频次排名第 1 。
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认知计算与深度学习基于物联网云平台的智能应用

Cognitive Computing and Deep Learning Intelligent Applications based on IoT/Cloud

在新技术不断涌现的时代，我们必须升级云和IoT生态系统，赋予它们感知、分析和认知能力，从而助力科学发现和商业转型。本书强调认知计算、深度学习与大数据的基本原理，同时涵盖物联网与云平台的智能应用，包括医疗诊断、智慧城市、社交媒体分析、认知车联网与5G移动认知系统等。书中融合了两位作者多年的研究和教学经验，既满足了计算机科学与电气工程教育领域不断增长的课程需求，也为IT从业者学习新技能和挑战新机遇提供了有益参考。

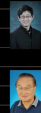
本书特色

- 新技术融合方法，创新性地将认知计算、大数据理论与云设计原则和超级计算机标准相融合，利用IoT传感技术实现大数据采集，利用机器学习与数据分析协助决策制定，最终实现更高效的计算和服务。
- 打造智慧云平台，针对云在认知等方面的不足，致力于解决高级计算机与云平台生态系统差异所形成的鸿沟，不仅讨论了AlphaGo等热点技术的原理，还展示了作者团队开发的先进的情感交互系统。
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作者简介

陈敏 华中科技大学计算机学院教授、博士生导师，嵌入式与普适计算实验室主任，IEEE计算协会大数据技术委员会主席，23岁获华南理工大学通信与信息工程博士学位，曾任韩国首尔大学助理教授。2012年入选国家第二批青年千人计划，2017年获IEEE通信协会Fred W. Ellersick奖，这是该奖项设立25年来首次颁给中国团队。目前他的论文在谷歌学术中引用超过11000次。

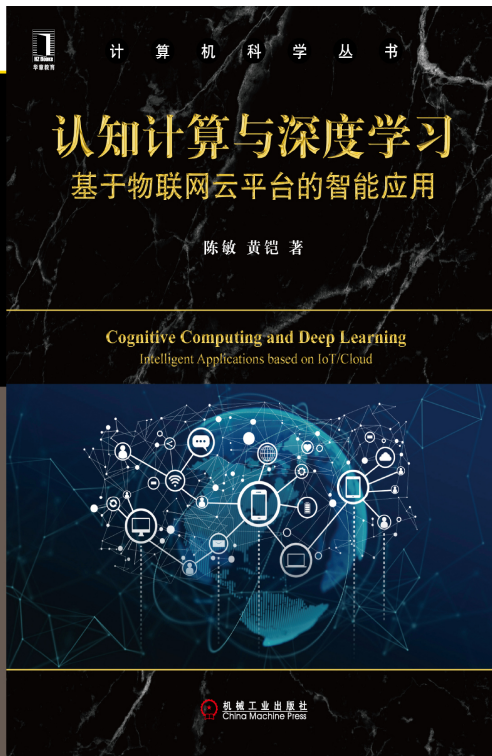
黄铠 美国南加州大学工程与计算机科学系终身教授，IEEE终身会士。他曾在霍乱大学任教多年，并在清华大学和香港大学等担任特聘教授。他于2012年获颁国际计算大会终身成就奖，2004年获颁中国计算机学会首届海外杰出贡献奖。



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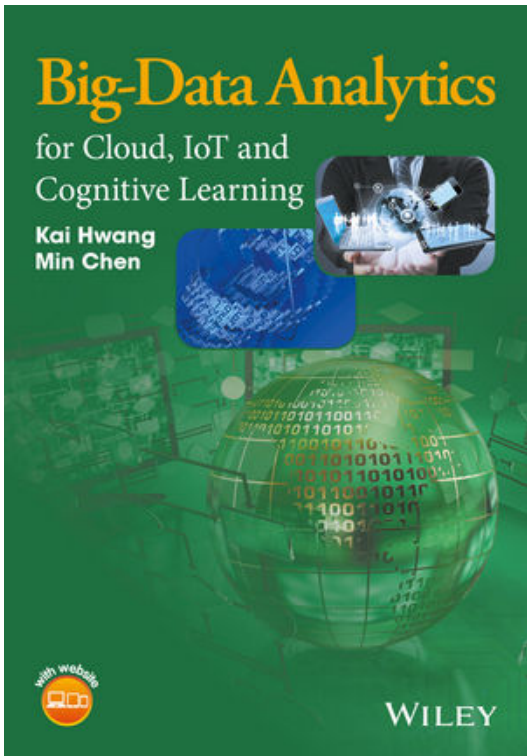
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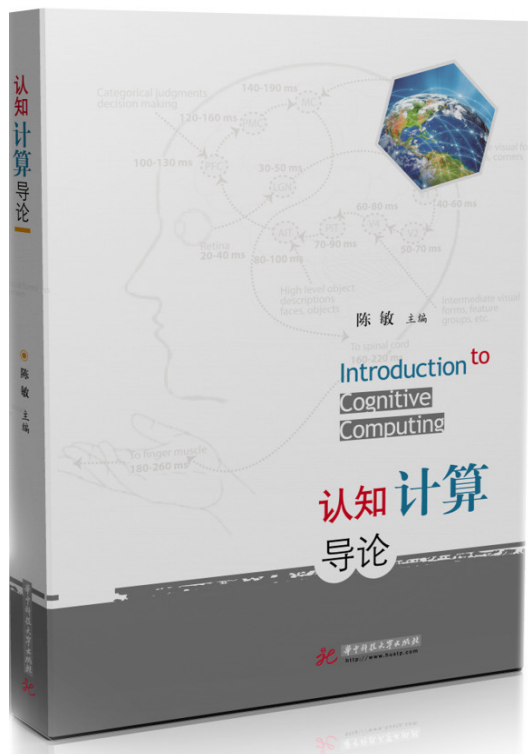
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6	Min Chen , Y. Wen, H. Jin, V. Leung, "Enabling Technologies for Future Data Center Networking: A Primer," <i>IEEE Network</i> , Vol. 27, No. 4, pp. 8-15, July 2013. (SCI)
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75	Min Chen , Y. Hao, "Task Offloading for Mobile Edge Computing in Software Defined Ultra-dense Network", <i>IEEE Journal on Selected Areas in Communications</i> , Vol. 36, No. 3, pp. 587-597, Mar. 2018.

Conference Organization

General Co-Chair, 8th International Conference on Mobile Multimedia Communications ([Mobimedia 2015](#)), Chengdu, China, May 25-27, 2015.

TPC Chair, IEEE 16th International Conference on E-health Networking, Application & Services, ([IEEE Healthcom 2015](#)), Boston, USA, October 2015.

Steering Committee Co-Chair, The 4th International Conference on Cloud Computing ([CloudComp 2014](#)), Guilin, China, Oct. 19-21, 2014.

Steering Committee Co-Chair, The 5th International Conference on Cloud Computing ([CloudComp 2015](#)), Daejeon, Korea, October 2015.

TPC Co-Chair, International Conference on Cyber-enabled Distributed Computing and Knowledge Discovery ([CyberC 2014](#)), Shanghai, China, Oct. 10-12, 2014.

General Vice Chair, 9th International Conference on Testbeds and Research Infrastructures for the Development of Networks & Communities ([TRIDENTCOM 2014](#)), May 5-7, 2014 Guangzhou, People's Republic of China.

Min Chen's Graduated Ph.D Students and Previous Postdocs

Yin Zhang (Postdoc 2015) - <i>Full Professor, Ph.D Advisor, School of Information and Communication Engineering, University of Electronic Science and Technology of China, China</i>
Long Hu (Ph.D 2017) - <i>Vice Director, EPIC Lab, Associate Professor, Huazhong University of Science and Technology, China</i>
Yixue Hao (Ph.D 2017) - <i>Associate Professor, Huazhong University of Science and Technology, China</i>
Yujun Ma (Ph.D 2016) - <i>Visiting Assistant Professor, The University of British Columbia, Canada</i>
Xiaobo Shi (Ph.D 2017) - <i>Associate Professor, Henan Normal University, China</i>
Junfeng Wang (Ph.D 2016) - <i>Associate Professor, Zhengzhou University, China</i>
Ying Hu (Postdoc 2016) - <i>Associate Professor, Hubei University Of Education, China</i>
Xuan Zhu (Postdoc 2017) - <i>Associate Professor, Central China Normal University, China</i>
Yanming Sun (Postdoc 2016) - <i>Associate Professor, Shenyang University, China</i>
Yongfeng Qian (Ph.D 2018) - <i>Associate Professor, China University of Geosciences, China</i>