

Tutorial Speaker: Tianrui Li, Southwest Jiaotong University, China

Title: Big Data Analytics and Our Solutions

Abstract: This talk firstly gives a brief survey of Big Data Analytics (BDA). Then our solutions for BDA are provided including the updated KDD process model and its applications, incremental learning based on granular computing and cloud computing, composite rough set model based data fusion, and uncertainty information processing under three-way decisions. Finally, recent advance in our lab is outlined.

Biography:

Tianrui Li received his B.S. degree, M.S. degree and Ph.D. degree from the Southwest Jiaotong University, China in 1992, 1995 and 2002 respectively. He was a Post-Doctoral Researcher at Belgian Nuclear Research Centre (SCK • CEN), Belgium from 2005-2006, a visiting professor at Hasselt University, Belgium in 2008, the University of Technology, Sydney, Australia in 2009 and the University of Regina, Canada in 2014. And, he is presently a Professor and the Director of the Key Lab of Cloud Computing and Intelligent Technique of Sichuan Province, Southwest Jiaotong University, China. Since 2000, he has co-edited 3 books, 14 proceedings, 9 special issues of international journals, received 1 Chinese invention patent and published over 150 research papers (e.g., IEEE Transaction on Knowledge and Data Engineering, IEEE Transactions on Evolutionary Computation, IEEE Transactions on Fuzzy Systems, IEEE Transactions on Information Forensics & Security, IEEE Transactions on Audio Speech and Language Processing, IEEE Transactions on Industrial Electronics, IEEE Transactions on Cybernetics, IEEE Transactions on Communications, Information Science) in refereed journals and conferences. One paper was ESI Hot Paper and Six papers was ESI Highly Cited Papers. **He was recognized as the Top 1% Scientists (ranked 1604/2964) in the field of Computer Science based on Thomson Reuter's Essential Science Indicators (ESI) in 2015.** He serves as area editor of International Journal of Computational Intelligence Systems (SCI), editor of Knowledge-based Systems (SCI) and Information Fusion (SCI), etc. He has served as IEEE ICC2015 chair, ISKE2007-2015, CRSSC2015, CWI2014, JRS2012 program chairs, IEEE HPCC 2015, GrC 2009 program vice chairs and RSKT2008, FLINS2010 organizing chairs, etc. and has been a reviewer for several leading academic journals. He is an IRSS fellow, a senior member of IEEE, CCF, CAI, a member of ACM and ACM SIGKDD, Chair of IEEE CIS Chengdu Chapter and CCF YOCSEF Chengdu Chair (2013-2014). For more information, please visit his homepage: <http://userweb.swjtu.edu.cn/Userweb/trli30/index.htm>