ITQM 2017
New Delhi
5th International Conference on Information Technology and Quantitative Management
December 8-10, 2017
New Delhi, India
Welcome Message from Jaypee Business School

MANOJ GAUR
Executive Chairman

November 10, 2017

Message

I am glad to know that Jaypee Business School, Noida (a constituent of Jaypee Institute of Information Technology) is organizing its 2nd International Conference on ‘Information Technology and Quantitative Management (ITQM-2017)’ from 08-10 December 2017. Management is a constantly evolving discipline with interdisciplinary applications across all businesses and societies. I am delighted to see the galaxy of speakers and delegates from academia and industry representing over 24 countries across the globe participating in this International Conference.

I am confident that the deliberations in the proposed conference would go a long way in opening up new directions of research in different areas of Management & Technology.

I extend my best wishes to all organisers and participants in the conference and wish this event a grand success.

With best wishes,

Manoj Gaur
Message

I take this opportunity to welcome all the delegates and organisers of ITQM-17. It has opened an excellent interdisciplinary platform for researchers to discuss their works across a wide variety of themes. I welcome all the Keynote and Plenary speakers and Special session chairs, to a series of rigorous sessions of the conference.

Jaypee Business School is a constituent of Jaypee Institute of Information Technology (Deemed to be University). Started in the year 2007, JBS holds a very good reputation amongst the new generation business schools in India. In less than ten years of time, JBS has made an extremely good progress in all its dimensions as a centre of excellence in management studies. It has been rated amongst the emerging institutions in management studies by numerous studies and surveys in the past.

JBS provides a conducive environment for research across various streams of business management. JBS faculty is dedicated towards generating research contributions which are recognised and published by national as well as international journals. JBS regularly organizes International and National Conferences and Competency Development Programs.

I would like to share my words of appreciation for all the members of the organising team who have worked very hard during the last one year to make this event a great success. I am certain that every delegate participating in this event will be greatly benefitted from the interactions and discussions in various sessions.

I wish the event a grand success.

With best wishes,

(Prof. S.C. Saxena)
Welcome Message from the Conference Organizers

Welcome to the Fifth International Conference on Information Technology and Quantitative Management (ITQM 2017), December 8-10, 2017, New Delhi, India. The theme of ITQM 2017 is "Creating Knowledge and Wisdom via Big Data Analytics". ITQM 2017 is organized by International Academy of Information Technology and Quantitative Management (IAITQM) and Jaypee Business School, India.

IAITQM was formally inaugurated on June 3, 2012 with more than 50 founding members from China, United States, Australia, Japan, Lithuania, Poland, Romania, Spain, Singapore, South Korea, The Netherlands, Turkey and other countries. The International Conference on Information Technology and Quantitative Management (ITQM), established by IAITQM, is a global forum for exchanging research findings and case studies that bridge the latest information technology and quantitative management techniques. It explores how the use of information technology to improve quantitative management techniques and how the development of management tools can reshape the development of information technology. The First International Conference on Information Technology and Quantitative Management (ITQM 2013) took place in Suzhou, China. The Second International Conference on Information Technology and Quantitative Management (ITQM 2014) was held in Moscow, Russia. The Third International Academy of Information Technology and Quantitative Management (ITQM 2015) was held at Rio de Janeiro, Brazil. The Forth International Academy of Information Technology and Quantitative Management (ITQM 2016) was held at Asan, Korea.

ITQM 2017 covers all topics in the broad ranges of Information Technology and quantitative management, including, but not limited to:

- Advances in Quality Management
- Agricultural Markets and International Trade
- Analytics in Human Resource Management
- Applications of Big Data technologies and methods (e.g., Data Mining, Data Warehousing, Data Analysis) to support optimal decision making
- Applications of IT-enabled quantitative management and decision making in Logistics, Finance, Marketing, Strategy, Human Resources, IT, Project Management, Process Improvement, Sustainability, Innovation, and other Management disciplines
- Applications of Social Networks Analysis in IT-enabled quantitative management and decision making
- Asset allocation, valuation and investment management
- Asset Pricing
- Banking regulation and financial services
- Brands and Consumer Behaviour
- Business Analytics Tools and Applications
- Commodity and Product Pricing
- Contemporary Leadership issues in Organization
- Corporate finance, capital structure and dividend policy
- Data Science issues in information technology and quantitative management
- Developments in IT-enabled quantitative management and decision making in different industries, such as Oil and Gas, Banking, Transportation, Utilities, Health care, Telecom, Education, etc.
- Developments in Multicriteria Analysis related to IT-enabled quantitative management
- Digital Learning and Organization
- Digital Marketing and Customer Relationship Management
- Econometric and Empirical Understanding of Emerging Business
- Employability Skills and Talent Management
- Financial Econometrics
- Financial literacy and financial education
- Global Recession
- Green Marketing
- Habitual domain and behavioral approaches to Big Data analytics
- ICT and Innovations in Operations
- Innovative Business Model and Platform
- Intercultural Competence and Cultural Intelligence
- Investment Management and High Frequency Finance
IT-enabled quantitative management and decision making in the government sector and in public and private companies

IT-enabled quantitative management and maturity models

Make in India - Flexible Manufacturing

Management of Technology

Managing Global Value Chains

Market Volatility and Financial Innovation

Mobile technologies and cloud computing

Nero-Marketing

Quantitative management tools

Semantic learning and intelligent awareness

Service Operations Management

Social Media and Mobile Marketing

Social Media, Curation Marketing, Design Thinking

Soft computing methods in quantitative management and decision making processes

Sustainability Issues in Trade

Sustainable Supply Chain Management

Technology for Training and Development

Technology in Banking and Insurance

Technical exchanges within the research community will encompass the invited keynote lectures, tutorials, plenary speeches, special sessions, and workshops.

At ITQM 2017, we have invited the following world leading keynote speakers to give their current and future visions about Information Technology and Quantitative Management:

- Philip S. Yu, University of Illinois at Chicago, USA "On Fusion of Heterogeneous Data Sources";
- Milan Zeleny, The ZET Foundation and the Tomas Bata University, Czech Republic on "Entering the Age of Acceleration: From Information to Knowledge, From Description to Entrepreneurial Action";
- Fuad Aleskerov, National Research University Higher School of Economics and Institute of Control Sciences of Russian Academy of Sciences, Russia on "Power Indices in Networks and their Applications";
- James M. Tien, College of Engineering, University of Miami, USA on "Internet of Things, Real-Time Decision Making and Artificial Intelligence";
- Richard C. Larson, Massachusetts Institute of Technology, USA on "Queue in Service Systems: Some Unusual Applications and New IT-Facilitated Methodologies".

Two excellent researchers are invited to give tutorial lectures on various ITQM topics:

- A.D. Amar, Stillman School of Business, Seton Hall University, USA on "Converting Enterprise Knowledge to Employee Wisdom";
- Deepak Khazanchi, College of Information Science & Technology, University of Nebraska at Omaha, USA on "Beyond Innovation: How Transformative Thinking Should Be Part of Our Daily Work".

In addition, three outstanding speakers will give 2 plenary speeches on business issues:

- Dr. Inder Thukral, Chief Executive Officer, Boston Analytics, Kognetics Inc. and Dr. Steven Walsh, the distinguished professor, Anderson School of Management, University of New Mexico, USA on "IT in Big Emerging Markets";
- Mr. Himanshu Goyal, India Sales & Alliances Leader, The Weather Company on "Weather Means Business" for Our Technical and Business People".

There were more 450 scholars from 18 countries and regions submitted their papers to ITQM 2017. The authors are from Australia, Brazil, Canada, Chile, China, France, Hong Kong, India, Japan, Korea, Mexico, Romania, Russia, Serbia, Spain, United Kingdom, United States, and Thailand. After the peer-review process, we have accepted 158 high-quality papers from all submitted papers for presentation at the conference. These papers are published by Elsevier in their Procedia Computer Science series. They are allocated into 1 main track, 22 special sessions and 5 workshops.

Like the previous conferences, ITQM 2017 relies strongly on the vital contributions of our workshop organizers to attract high quality papers in many subject areas. We would like to thank all special session/workshop organizers, ITQM committee members, and reviewers for their contribution to ensure a high standard for the accepted papers. We would like to express our gratitude to the JBS local committee for their enthusiastic work towards the success of ITQM 2017. We owe special thanks to our sponsors: Jaypee Business School, India; Research Center on Fictitious Economy and Data Science and Key Lab of Big Data Mining and Knowledge
We wish you a successful and enjoyable conference in New Delhi, India!

December, 2017, New Delhi, India
Vandana Ahuja and Yong Shi
Conference Co-chairs

Naseem Abidi and Yingjie Tian
Organizing Co-chairs
The ITQM 2017 Program/Conference Chairs:

- Chief Patrons: Shri Jaiprakash Gaur and Shri Manoj Gaur
- Patron: Shri S. C. Saxena
- Advisors: Krishna Gopal, Dean, Academics & Research, JIIT; Padam Kumar, Dean, RID, JIIT; Deepak Khazanchi, Associate Dean, UNO, Omaha, USA and G.K. Agarwal, JBS
- Honorary Chair: Raj Reddy, Daniel Berg, Florin G. Filip and James Tien
- Conference Chair: Vandana Ahuja (JBS) and Yong Shi (IAITQM)
- Organizing Chair: Naseem Abidi (JBS) and Yingjie Tian (Chinese Academy of Sciences, China)
- Program Chair: Peter Wolcott and Xingsen Li
- Tutorial Chair: Shusaku Tsumoto and Zhiquan Qi
- Special Sessions and Workshops Chair: Felisa Cordova and Zhengxin Chen
- Publications and Proceedings Chair: Ioan Dzitac and Jing He
- Awards Chair: James Tian, Luiz F. Autran M. Gomes and Yong Shi

Local Committee:

- Rahul Sharma, Jaypee Business School
- Sujata Kapoor, Jaypee Business School
- Shriram Purankar, Jaypee Business School

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- Dengsheng Wu
- Xinyang Zhang
- Zhensong Chen
- Peijia Li
- Wei Li
- Luyao Zhu
- Yuanchun Zheng
- Biao Li
- Jiabin Liu
- Chunbing Bao
- Wei Dai
- Minglong Lei
- Yi Qu

Program Committee:

- Naseem Abidi, JBS, India
- G.K. Agarwal, JBS, India
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- Jin-Ho Ahn, School of Electronic Display, Hoseo University, Korea
- Vandana Ahuja, JBS, India
- Fuad Aleskerov, Russian Academy of Sciences, Russia
- Vassil Alexandrov, Barcelona Supercomputing Center, Spain
- Hesham Ali, University of Nebraska at Omaha, USA
- A.D. Amar, Seaton Hall University, USA
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- Daniel Berg, Rensselaer Polytechnic Institute, USA
• Marian Bubak, AGH University of Science and Technology, Poland
• Sergiy Butenko, Texas A&M University, USA
• Francisco Javier Cabrerizo, UNED, Spain
• Seong Wook Chae, Department of Business Administration at Hoseo University, Korea
• Yuanping Chen, Computer Network Information Center, Chinese Academy of Sciences, China
• Zhangxin Chen, University of Nebraska at Omaha, USA
• Siwei Cheng, Chinese Academy of Sciences, China
• Guotai Chi, School of Business Management, Dalian University of Technology, China
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• Vyacheslav V. Chistyakov, NRU HSE, Nijmiy Novgorod, Russia
• Byounggu Choi, College of Business Administration, Kookmin University, Korea
• Raul Colcher, ASSESPO, Brazil
• Pablo Cordero, University of Malaga, Spain
• Felisa M. Córdova, University of Santiago de Chile, Santiago, Chile
• Helder G. Costa, UFF, Brazil
• Frederica Darema, Air Force Office of Scientific Research, USA
• Satyabhushan Dash, IIM, Lucknow, India
• Pinaki Dasgupta, IMI, Delhi
• Debdeep De, JBS, India
• Kalyanmoy Deb, India Institute of Technology, India
• Hernán Díaz, University of Santiago de Chile, Santiago, Chile
• Yucheng Dong, De Montfort University, U.K
• Jack Dongarra, University of Tennessee, Knoxville, USA
• Francisco A. Doria, UFRJ, Brazil
• Ioan Dzitac, Agora University, Romania
• Xiaodan Fan, Department of Statistics, Chinese University of Hong Kong, China
• Shu Cherng Fang, North Carolina State University, USA
• Cordova Felisa, University of Santiago of Chile USACH, Chile
• Florin Gheorghe Filip, Romanian Academy, Romania
• Maria do Carmo Duarte Freites, Federal University of Parana, Curitiba, Brazil
• Hamido Fujita, Iwate Prefectural University, Japan
• Fred Glover, OptTek Systems, Inc., USA
• Michel Grabisch, Paris I, France
• Carlos F.S. Gomes, UFF, Brazil
• Luiz F. Autran M. Gomes, IBMEC, Brazil
• Jifa Gu, Chinese Academy of Sciences, China
• Kun Guo, Chinese Academy of Sciences, China
• M. P. Gupta, IIT, Delhi
• Pankaj Gupta, University of Delhi, India
• Sang-Tae Han, Department of Applied Statistics, Hoseo University, Korea
• Jing He, Victoria University, Australia
• Wenxue Huang, Guangzhou University, China
• Zhimin Huang, Adelphi University, USA
• Vigneswara Ilawarasam, IIT Delhi, India
• Hiroshi Inoue, Science University of Tokyo, Japan
• Wenbin Jiao, Computer Network Information Center, Chinese Academy of Sciences, China
• Hyuncheol Kang, Department of Applied Statistics, Hoseo University, Korea
• Young Sik Kang, School of Business Administration at Myongji University, Korea
• Sujata Kapoor, JBS, India
• Alexander Karminsky, Higher School of Economics, Department of Finance, Russia
• Saroj Koul, Jindal Global Business School, India
• Deepak Khazanchi, University of Nebraska at Omaha, USA
• Hyeuk Kim, Department of Applied Statistics, Hoseo University, Korea
Hyungjoon Kim, College of Economics & Business Administration at Hanbat National University, Korea
Seongyong Kim, Department of Applied Statistics, Hoseo University, Korea
Gang Kou, Southwest University of Finance and Economics, China
Murat M. Koksalan, Middle East Technical University, Turkey
Jeong-Ho Kwak, School of Business at Hoseo University, Korea
Wiki Kwak, University of Nebraska at Omaha, USA
Uma Kumar, Sprott School of Business, USA
Moussa Larbani, Islamic International University, Malaysia
Cheng-Few Lee, Rutgers University, USA
Choongseok Lee, Korea Polytech University, Korea
Heeseok Lee, Korea Advanced Institute of Science and Technology, Korea
Hyoung-Yong Lee, School of Business, Hansung University, Korea
Jongwon Lee, Hoseo University, Korea
Stanley Lee, Kansas State University, USA
Michael Harold Lees, Nanyang Technological University, Singapore
Alexander E. Lepskiy, HSE, Moscow, Russia
Aihua Li, Central University of Finance & Economics, China
Duan Li, Chinese University of Hong Kong, Hong Kong, China
Jianping Li, Chinese Academy of Sciences, China
Shanling Li, McGill University, Canada
Weigang Li, University of Brasilia, Brazil
Xingsen Li, NIT, Zhejiang University, China
Xiaodong Lin, Rutgers University, USA
Hai Liu, School of Computer, South China Normal University, China
Jiming Liu, Hong Kong Baptist University, Hong Kong, China
Rong Liu, University of California at Los Angeles, USA
Xiaohui Liu, Brunel University, United Kingdom
Yanbin Liu, NIT, Zhejiang University, China
Ying Liu, Chinese Academy of Sciences, China
Zhidong Liu, China
Aleksey Lobanov, Bank of Russia, Russia
Wen Long, Chinese Academy of Sciences, China
Enrique López, University of Concepción, Concepción, Chile
David H. Lorenz, Northeastern University, USA
Robert M. Losee, University of North Carolina at Chapel Hill, USA
Alexander V. Lotov, Russian Academy of Sciences, Russia
Ping Ma, University of Georgia, USA
Maria Augusta Soares Machado, Ibmec-RJ and Fuzzy Consultoria Ltda, Brazil
Ivan Coste Maniere, Skema Business School
Bo Mao, Nanjing University of Finance and Economics, China
Joao C.S. de Mello, UFF, Brazil
Andreas Merikas, National Research University Higher School of Economics, Russia
Jinyoung Min, Chosun University, Korea
Cid Miranda, SUCESU, Brazil
Rajnish Kumar Misra, JBS, India
Mamta Mohapatra, IMI, Delhi
Vadim V. Mottl, Tula State University, Russia
Valter Moreno, Ibmec & UERJ, Brazil
Lingfeng Niu, Chinese Academy of Sciences, China
David L. Olson, University of Nebraska at Lincoln, USA
Neerja Pande, IIM, Lucknow, India
Chaoyi Pang, NIT, Zhejiang University, China
Panos M. Pardalos, University of Florida, USA
• Geun-Duk Park, School of Computer and Information Engineering, Hoseo University, Korea
• Ji Min Park, American Law Department at Hallym University of Graduate Studies, Korea
• Tae-Young Park, School of Business at Hanyang University, Korea
• Yi Peng, University of Electronic Science and Technology of China, China
• Henry I. Penikas, HSE, Moscow, Russia
• Ignacio Javier Pérez, University of Cadiz, Spain
• David Poole, University of British Columbia, Canada
• Luis Omar Herrera Prada, Universidad de la Salle, Colombia
• Zhiquan Qi, Chinese Academy of Sciences, China
• Heitor Quintella, Stratimidia, Brazil
• Cliff T. Ragsdale, Virginia Polytechnic Institute and State University, USA
• Balasubramaniam Ramesh, Georgia State University, USA
• Fuji Ren, The University of Tokushima, Japan
• Francisco Ruiz, Universidad de Malaga, Spain
• Thomas Saaty, University of Pittsburgh, USA
• M.A. Sanjeev, Narsee Monji Institute of Management Studies, India
• Isaac D. Scherson, University of California at Irvine, USA
• Moonis Shakeel, JBS, India
• Rahul Sharma, JBS, India
• Prakash P. Shenoy, University of Kansas, USA
• Yong Shi, Chinese Academy of Sciences Research Center on Fictitious Economy and Data Science, China
• Fabio R. E. Silva, Ibme, Brazil
• Dominik Slezak, Warsaw University, Poland
• P.M.A. Sloot, Universiteit van Amsterdam, The Netherlands
• Roman Slowinski, Poznan University of Technology, Poland
• Paulo de Souza, CSIRO, Australia
• Neena Sondhi, IMI, Delhi
• Bogdana Stanoevic, the Serbian Academy of Sciences and Arts, Serbia
• Christian Stummer, Bielefeld University, Germany
• Minghe Sun, University of Texas at San Antonio, USA
• Ling Tang, School of Economics and Management, Beijing University of Chemical Technology, China
• Tetsuzo Tanino, Osaka University, Japan
• Xin Tian, Chinese Academy of Sciences, China
• Yingjie Tian, Chinese Academy of Sciences, China
• James Tien, University of Miami, USA
• Ana Titos, University of Granada, Spain
• Zenonas Turskis, Vilnius Gediminas Technical University, Lithuania
• Gwo-Hshiung Tzeng, National Chiao Tung University, Taiwan
• Nitin Upadhyay, Goa Institute of Management, India
• Luis G. Vargas, University of Pittsburgh, USA
• Alexander Vasin, MSU/Moscow, Russia
• Rayford Vaughn, Mississippi State University, USA
• Enrique Herrera-Viedma, University of Granada, Spain
• Ashok Wahi, JBS, India
• Jyrki Wallenius, Aalto University School of Economics, Finland
• Hsiao-Fan Wang, National Tsing Hua University, Taiwan
• James Wang, Pennsylvania State University, USA
• Shouyang Wang, Chinese Academy of Sciences, China
• Yonghui Wang, Director-General of China QClub, China
• Xianhua Wei, Chinese Academy of Sciences, China
• Peter Wolcott, University of Nebraska at Omaha, USA
• Dengsheng Wu, Institute of Policy and Management, Chinese Academy of Sciences, China
• Weixing Wu, School of Banking and Finance, University of International Business and Economics, China
• Weixuan Xu, Chinese Academy of Sciences, China
• Zeshui Xu, Sichuan University, Chengdu, China
• Franco F. Yanine, Technical University Santa Maria, Valparaíso, Chile
• Chunyan Yang, Guangdong University of Technology, China
• Kyupil Yeon, Department of Applied Statistics, Hoseo University, Korea
• Lean Yu, Beijing University of Chemical Technology, China
• Ming Miin Yu, National Taiwan Ocean University, Taiwan
• Philip S. Yu, University of Illinois at Chicago, USA
• Po-lung Yu, University of Kansas, USA
• Xiaogang Wang, York University, Canada
• Edmundas Kazimieras Zavadkas, Vilnius Gediminas Technical University, Lithuania
• Milan Zeleny, Fordham University, USA
• Chengqi Zhang, University of Technology Sydney, Australia
• Haolan Zhang, NIT, Zhejiang University, China
• Lingling Zhang, Chinese Academy of Sciences, China
• Peng Zhang, University of Technology Sydney, Australia
• Wei Zhang, Tianjin University, China
• Yanchun Zhang, Victoria University, Australia
• Yuejin Zhang, Central University of Finance and Economics, China
• Ning Zhong, Maebashi Institute of Technology, Japan
• Xiaofei Zhou, Chinese Academy of Sciences, China
• Zongfang Zhou, University of Electronic Science and Technology of China
• Xingquan Zhu, Florida Atlantic University, USA
• Yangyong Zhu, Fudan University, China
• Kirill Zinkovskiy, National Research University Higher School of Economics, Russia
Special Sessions/Workshops and Organizers

Special Session 01: Soft computing methods in quantitative management and decision making processes
Florin Gheorghe Filip, Romanian Academy, Romania. (ffilip@acad.ro)
Ioan Dzitac, Agora University of Oradea & Aurel Vlaicu University of Arad, Romania. (professor.ioan.dzitac@ieee.org)
Simona Dzitac, University of Oradea, Romania. (simona@dzitac.ro)

Special Session 02: 5rd Intelligent Decision Making and Extenics based Innovation
Xingsen Li, NIT, Zhejiang University, China. (lixs@nit.zju.edu.cn)
Chunyan Yang, Guangdong University of Technology, China. (fly_swallow@126.com)
Yanwei Zhao, Zhejiang University of Technology, China. (zyw@zjut.edu.cn)
Ping Yuan, NIT, Zhejiang University, China. (yuanping1212@163.com)
Chaoyi Pang, Commonwealth Scienceand Industries Research Organization(CSIRO), Australia. (Chaoyi.Pang@csiro.au)

Special Session 03: Understanding Financial Risk via Big Data
Xiaoguang Yang, Academy of Mathematics and Systems Science, Chinese Academy of Sciences, China. (xgyang@iss.ac.cn)
Haizhen Yang, University of Chinese Academy of Sciences, China. (haizheny@ucas.ac.cn)
Jichang Dong, University of Chinese Academy of Sciences, China. (jcdong@ucas.ac.cn)

Special Session 04: Digital Marketing
Vandana Ahuja, Jaypee Business School, India. (vandana.ahuja@jiit.ac.in)

Special Session 05: Strategies to Develop Trade Data Exchange Mechanism: With Special Reference to South Asian members of APTA
Debdeep, Jaypee Business School, Jaypee Institute of Information Technology, India. (debdeep.de@jiit.ac.in)

Special Session 06: Reproducible Research using R
Moonis Shakeel, Jaypee Business School, Jaypee Institute of Information Technology, India. (moonis.shakeel@jiit.ac.in)

Special Session 07: Smart Energy Systems: The Need to Incorporate Homeostasis-Based Control Systems in the Design of Sustainable Energy Systems (SES)
Franco Fernando Yanine, Universidad Finis Terrae, Santiago, Chile. (fyanine@uft.cl)
Felisa M. Córdova, Universidad Finis Terrae, Santiago, Chile. (felisa.cordova@gmail.com)
Antonio Sanchez-Squella, Universidad Tecnica Federico Santa Maria. (Antonio.sanchez@usm.cl)

Special Session 08: Event Studies in Finance
Chhavi Mehta, International Management Institute, Delhi. (chhavi.mehta@imi.edu)
Reena Nayyar, International Management Institute, Delhi. (reena.nayyar@imi.edu)

Special Session 09: NeuroManagement - NeuroMarketing
Felisa M. Córdova, University Finis Terrae, Santiago, Chile. (feordova@uft.cl)
Rogers Atero, University Finis Terrae, Santiago, Chile. (rogers.atero@uft.cl)
Hernán Díaz, University of Santiago de Chile, Santiago, Chile. (hernan.diaz@usach.cl)
Fredi Palominos, University of Santiago de Chile, Santiago, Chile. (fredi.palominos@usach.cl)

**Special Session 10: Social Media Analytics for Business Applications**
Shikha Mehta, Jaypee Institute of Information Technology, Noida. (shikha.mehta@jiit.ac.in)
Parmeet Kaur, Jaypee Institute of Information Technology, Noida. (parmeet.kaur@jiit.ac.in)
Anuja Arora, Jaypee Institute of Information Technology, Noida. (anuja.arora@jiit.ac.in)

**Special Session 11: A scientific approach to market segmentation and validating the segmentation solution**
Neena Sondhi, International Management Institute, New Delhi. (deenasondhi@imi.edu)

**Special Session 12: Cloud, Big Data and Analytics for a Successful Organization**
Nitin Upadhyay, Goa Institute of Management, India. (upadhyay.nitin@gmail.com or nitin@gim.ac.in)

**Special Session 13: Option Trading & Strategies**
Rahul Sharma, Jaypee Business School, India. (rahul.sharma@jiit.ac.in)

**Special Session 14: Re-skill or perish: The changing paradigms in Indian technology workforce**
Shekhar Sanyal, The Institution of Engineering and Technology, India. (ssanyal@theiet.in)

**Special Session 15: Research on Commodity derivatives markets: An Indian Perspective**
Shriram Anil Purankar, Jaypee Business School, India. (shriram.purankar@jiit.ac.in)

**Special Session 16: The third special session of Data Acquisition and Management for Traceability Analytics (IDAMTA)**
Jing He, Victoria University, Australia. (jing.he@vu.edu.au)
Bo Mao, Nanjing University of Finance and Economics, China. (bo.mao@njue.edu.cn)
Hai Liu, School of Computer, South China Normal University, China. (liuhai@scnu.edu.cn)

**Special Session 17: Digital and Global Business Communication**
Neerja Pande, Indian Institute of Management Lucknow, India. (neerja@iiml.ac.in)

**Special Session 18: High Performance Data Analysis**
Vassil Alexandrov, ICREA Research Professor in Computational Science at Barcelona Supercomputing Centre, Spain. (vassil.alexandrov@bsc.es)
Ying Liu, University of Chinese Academy of Sciences, China. (yingliu@ucas.ac.cn)

**Special Session 19: Consensus and collaborative decision-making**
Enrique Herrera-Viedma, Granada University, Spain. (viedma@decsai.ugr.es)
Gang Kou, Southwestern University of Finance and Economics, Chengdu, China. (kougang@swufe.edu.cn)
Florin Filip, The Romanian Academy, Romania. (ffilip@acad.ro)
Francisco Javier Cabrerizo, Granada University, Spain. (caberizo@decsai.ugr.es)
Ignacio Javier Pérez, Cadiz University, Spain. (ignaciojavier.perez@uca.es)
Special Session 20: Best paper review session for Information Technology and Quantitive Management 2016
Sungbum Park, Graduate School of Management of Technology, Hoseo University, Asan, Republic of Korea. (parksh@hoseo.edu)

Special Session 21: SMEs in digital era: Innovating its manufacturing and business processes
Min Ho Ryu, Graduate School of Management of Technology, Hoseo University, Asan, Republic of Korea. (ryumh12@hoseo.edu)

Special Session 22: Special Session on cloud and wireless technologies
By: Dr Chetna Dabas, Gaurav Kumar Nigam, Gaurav Verma

Workshop 01: 3rd Workshop on Scientific data analysis and decision making
Dengsheng Wu, Institute of Policy and Management, Chinese Academy of Sciences, China. (wds@casipm.ac.cn)
Yuanping Chen, Computer Network Information Center, Chinese Academy of Sciences, China. (ypchen@cashq.ac.cn)

Workshop 02: The 10th International Workshop on Computational Methods in Energy Economics (CMEE2017)
Lean Yu, School of Economics and Management, Beijing University of Chemical Technology, China. (yulean@amss.ac.cn)
Ling Tang, School of Economics and Management, Beihang University, China. (tangling_00@126.com)
Kaijian He, School of Business, Hunan University of Science and Technology, China. (kaijian.he@my.cityu.edu.hk)

Workshop 03: The 2th workshop on Outlier Detection in Financial Data Streams & Big Data and Management Science
Aihua Li, Central University of Finance and Economics, China. (aihuali@cufe.edu.cn)
Zhidong Liu, Central University of Finance and Economics, China. (liu_phd@163.com)

Workshop 04: The Fifth Workshop on Optimization-based Data Mining
Yingjie Tian, Chinese Academy of Sciences Research Center on Fictitious Economy and Data Science, China. (tyj@ucas.ac.cn)
Zhiquan Qi, Chinese Academy of Sciences Research Center on Fictitious Economy and Data Science, China. (qizhiqian@ucas.ac.cn)
Yong Shi, College of Information Science and Technology, University of Nebraska at Omaha, USA. (yshi@unomaha.edu)

Workshop 05: Survey Design and Standardization Using SPSS & AMOS
Rajnish Kumar Misra, Jaypee Business School, Noida, India. (rajnish.misra@jiit.ac.in) or (rajnish_misra@yahoo.com)
## ITQM 2017 Program AT A GLANCE

### Thursday, 7 December

<table>
<thead>
<tr>
<th>Time</th>
<th>Event</th>
<th>Location</th>
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<tbody>
<tr>
<td>14:00-17:00</td>
<td>Registration (ABB-II: Outside Auditorium)</td>
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### Friday, 8 December

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<tr>
<th>Time</th>
<th>Event</th>
<th>Location</th>
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<tbody>
<tr>
<td>08:30-08:50</td>
<td>Opening Session (Host: Vandana Ahuja and Yong Shi)</td>
<td>Auditorium</td>
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<td>08:50-09:00</td>
<td>Photo</td>
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</tr>
<tr>
<td>09:00-09:40</td>
<td>Keynote I (Speaker: Philip S. Yu)</td>
<td>Auditorium</td>
</tr>
<tr>
<td>09:40-10:20</td>
<td>Tutorial I (Speaker: A.D. Amar)</td>
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<tr>
<td>10:20-10:40</td>
<td>Coffee Break</td>
<td></td>
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<tr>
<td>10:40-11:20</td>
<td>Keynote II (Speaker: Milan Zeleny)</td>
<td></td>
</tr>
<tr>
<td>11:20-12:00</td>
<td>Plenary Speech I (Speaker: Inder Thukral and Steven Walsh)</td>
<td></td>
</tr>
<tr>
<td>12:00-13:30</td>
<td>Lunch Time (Annapurna for all Delegates) and IAITQM Executive Lunch Meeting</td>
<td></td>
</tr>
<tr>
<td>13:30-14:10</td>
<td>Keynote III (Speaker: Fuad Aleskerov)</td>
<td></td>
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<tr>
<td>14:10-14:20</td>
<td>Break</td>
<td></td>
</tr>
<tr>
<td>14:20-16:00</td>
<td>Session I: ABB-II (G10), Main_Track-A(G10), Main_Track-B(G11), SS 01-A(G12), SS 02-A(G13), SS 03(LT4), WS 01-A(LT5), WS 02-A(F9), WS 03-A(F6), WS 04(F7)</td>
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<tr>
<td>16:00-16:20</td>
<td>Coffee Break</td>
<td></td>
</tr>
<tr>
<td>16:20-18:00</td>
<td>Session II: ABB-II (G10), Main_Track-A(G10), Main_Track-B(G11), SS 01-B(G12), SS 02-B(G13), SS 04(LT4), WS 01-B(LT5), WS 02-B(F9), WS 03-B(F6), WS 05(F7)</td>
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### Saturday, 9 December

<table>
<thead>
<tr>
<th>Time</th>
<th>Event</th>
<th>Location</th>
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<tbody>
<tr>
<td>08:30-08:50</td>
<td>In Memoriam of Lotfi A. Zadeh and Thomas Saaty (LT4)</td>
<td></td>
</tr>
<tr>
<td>08:50-09:30</td>
<td>Keynote IV (Speaker: James M. Tien)</td>
<td>LT4</td>
</tr>
<tr>
<td>09:30-10:10</td>
<td>Tutorial II (Speaker: Deepak Khazanchi)</td>
<td>LT4</td>
</tr>
<tr>
<td>10:10-10:30</td>
<td>Coffee Break</td>
<td></td>
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<tr>
<td>10:30-11:10</td>
<td>Keynote V (Speaker: Richard C. Larson)</td>
<td>LT4</td>
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<tr>
<td>11:10-11:50</td>
<td>Plenary Speech II (Speaker: Himanshu Goyal)</td>
<td>LT4</td>
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<tr>
<td>11:50-12:30</td>
<td>Journal Panel</td>
<td>LT4</td>
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<tr>
<td>12:30-13:30</td>
<td>Lunch Time-Annapurna</td>
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<tr>
<td>13:30-15:30</td>
<td>Session III: ABB-II (G10), Main_Track-A(G10), Main_Track-B(G11), SS 5&amp;8(G12), SS 10-A(G13), SS 12&amp;15(LT4), SS 16(LT5), SS 17(F9), SS 19(F6), SS 20(F7)</td>
<td>LT4</td>
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<tr>
<td>15:30-16:00</td>
<td>Coffee Break</td>
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</tr>
<tr>
<td>16:00-18:00</td>
<td>Session IV: ABB-II (G10), Main_Track-A(G10), Main_Track-B(G11), SS 7&amp;9(G12), SS 10-B(G13), SS 18(LT4), SS 21(F9)</td>
<td>LT4</td>
</tr>
<tr>
<td>19:00-21:00</td>
<td>Banquet (Chair: Rajnish Kumar Misra, Deepak Khazanchi) Pirates of the Grill</td>
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### Sunday, 10 December

<table>
<thead>
<tr>
<th>Time</th>
<th>Event</th>
<th>Location</th>
</tr>
</thead>
<tbody>
<tr>
<td>06:30-21:00</td>
<td>Tour Agra/Delhi</td>
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</tbody>
</table>
Conference Information

Hours of Registration
- Thursday, 7 December 14:00-17:00
- Friday, 8 December 8:30-17:00
- Saturday, 9 December 8:30-17:00

Tour Information (Depart from JBS at 6:30am on Dec 10)

<table>
<thead>
<tr>
<th>Option 1</th>
<th>Option 2</th>
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<tbody>
<tr>
<td><strong>Trip to Agra</strong></td>
<td><strong>Trip around New Delhi</strong></td>
</tr>
<tr>
<td>(Visit the Taj Mahal, Agra Fort and Tomb of I’timād-ud-Daulah)</td>
<td>(Visit Qutub Minar, Red Fort, India Gate and Akshardham)</td>
</tr>
<tr>
<td>Fees = $125 per head</td>
<td>Fees=$100 per head</td>
</tr>
</tbody>
</table>

Social Programs
- Welcome Dinner and IAITQM Awards
  Friday, 8 December, 19:00-21:00

<table>
<thead>
<tr>
<th>Awards</th>
<th>Daniel Berg Award</th>
<th>Richard Price Award</th>
<th>Walter Scott Award</th>
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<tbody>
<tr>
<td>Presented by</td>
<td>Dr. Rajapopala Chidambaram</td>
<td>Dr. Florin G. Filip</td>
<td>Dr. James M. Tien</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Awards</th>
<th>Siwei Cheng Award</th>
<th>Conference Award</th>
<th>Herbert Simon Award</th>
</tr>
</thead>
<tbody>
<tr>
<td>Presented by</td>
<td>Dr. Xiaoguang Yang</td>
<td>Dr. Felisa Cordova</td>
<td>Dr. Ioan Dzitac</td>
</tr>
</tbody>
</table>

- Banquet
  Saturday, 9 December, 19:00-21:00
Journal Panel (11:50-13:30, Saturday, 9 December)

- Chair:
  Jonathan Linton, University of Sheffield, Canada
  and
  Xiaoguang Yang, Chinese Academy of Sciences, China

- Panel members:
  Jianping Li, Chinese Academy of Sciences, China
  Yingjie Tian, Chinese Academy of Sciences, China
  Yong Shi, University of Nebraska at Omaha, USA/Chinese Academy of Sciences, China
  Steven Walsh, University of New Mexico, USA
  Rajnish Kumar Misra, Jaypee Business School
  Vandana Ahuja, Jaypee Business School

Instruction for Speaker

- Keynote speech: 40 minutes
- Tutorial lecture: 40 minutes
- Plenary speech: 40 minutes
- Oral presentation: 15-20 minutes
Keynote Speech

Keynote I (Auditorium)
Friday, December 8
09:00-09:40

On Fusion of Heterogeneous Data Sources

Philip S. Yu
Professor, University of Illinois at Chicago, USA

Chair: Deepak Khazanchi

Abstract The problem of big data has become increasingly important in recent years. On the one hand, big data is an asset that potentially can offer tremendous value or reward to the data owners. On the other hand, it poses tremendous challenges to distil the value out of the big data. The very nature of big data poses challenges not only due to its volume, and velocity of being generated, but also its variety, where variety means the data can be collected from various sources with different formats from structured data to text to network/graph data, etc. In this talk, we focus on the variety issue and discuss the recent development in fusion of information from multiple data sources, which can be applied to multiple applications and disciplines. As the number and variety of social networks aimed at different purposes increase rapidly, users nowadays are participated in multiple online networks simultaneously to enjoy various services. How to fuse information spreading across multiple networks to achieve better understanding of customers and provide higher quality of services becomes the Holy Grail. Social networks will be used as an example to explain how to address the data fusion issue.

Keynote II (Auditorium)
Friday, December 8
10:40-11:20

Entering the Age of Acceleration: From Information to Knowledge, From Description to Entrepreneurial Action

Milan Zeleny
Professor, The ZET Foundation and The Tomas Bata University

Chair: Yong Shi

Keynote III (Auditorium)
Friday, December 8
13:30-14:10

Power Indices in Networks and their Applications

Fuad Aleskerov
National Research University Higher School of Economics and Institute of Control Sciences of Russian Academy of Sciences

Chair: Naseem Abidi

Abstract We consider an application of power indices which take into account preferences of agents for coalition formation proposed for an analysis of power distribution in elected bodies to reveal most powerful (central) nodes in networks. These approach allows to take into account the parameters of the nodes in networks, a possibility of group influence from the subset of nodes to single nodes, and intensity of short and long interactions among the nodes. Some properties of the indices are discussed. Various applications are presented - migration, foreign claims, international conflicts, food export/import, ranking of journals on the basis of cross-citation, etc.

Keynote IV (LT4)
Saturday, December 9
08:50-09:30

Internet of Things, Real-Time Decision Making and Artificial Intelligence

Abstract We are entering an era of rapid change acceleration in economics, politics, technology, education, entrepreneurship and social organization. The speed of change has become a significant quality of its own. Increasing speed affects the world around us: we can no longer forecast, wait or delay action. As information becomes obsolete much faster, we have to increasingly operate within the space of (entrepreneurial) action. Learning how to act in an environment of continuous change is a major challenge for individuals, groups, companies and institutions. The division of labor between those who think and those who do, between theory and application or between description and action, cannot be sustained at the times of accelerated change.
James M. Tien  
*Professor, College of Engineering, University of Miami, USA*

Chair: Enrique Herrera-Viedma

**Abstract** In several earlier papers, the author defined and detailed the concept of a servgood, which can be thought of as a physical good or product enveloped by a services-oriented layer that makes the good smarter or more adaptable and customizable for a particular use. Adding another layer of physical sensors could then enhance its smartness and intelligence, especially if it were to be connected with other servgoods – thus, constituting an Internet of Things (IoT) or servgoods. More importantly, real-time decision making is central to the Internet of Things; it is about decision informatics and embraces the advanced technologies of sensing (i.e., Big Data), processing (i.e., real-time analytics), reacting (i.e., real-time decision-making), and learning (i.e., deep learning). Indeed, real-time decision making (RTDM) is becoming an integral aspect of IoT and artificial intelligence (AI), including its improving abilities at voice and video recognition, speech and predictive synthesis, and language and social-media understanding. These three key and mutually supportive technologies – IoT, RTDM, and AI – are considered herein, including their progress to date.

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**Keynote V (LT4)**

Saturday, December 9  
10:30-11:10

**Queues in Service Systems: Some Unusual Applications and New IT-Facilitated Methodologies**

Richard C. Larson  
*Professor, Massachusetts Institute of Technology, Cambridge, Massachusetts 02139 USA*

Chair: Daniel Berg

**Abstract** Virtually all service systems have queues. Traditionally, a queue is a line of standing customers waiting for service, and the queue exists because near-term demand for service exceeds existing capacity to provide service. A system’s queue performance is usually a major factor in evaluating total system quality. Queues can exist in unusual places, often very different from the traditional standing line of customers. Here we visit some of these less obvious queues, and we present new queue analysis methodologies made possible by IT technologies.

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**Plenary Speech**

**Plenary I (Auditorium)**

Friday, December 8  
11:20-12:00

**IoT in Big Emerging Markets**

Dr. Inder Thukral  
*Chief Executive Officer, Boston Analytics, Kognetics Inc.*

Dr. Steve Walsh  
*“Distinguished Professor” and Creative enterprise professor at UNM’s Anderson School of Management*

Chair: Vassil Alexandrov

**Abstract** Will the IoT business model be the same for Big Emerging, Developing and Developed economies? One case that provides some direction on this is the embrace of mobile telephony in different economies and regions of the world. Mobile telephony is part of the IoT deployment model and indeed central to its infrastructure. Yet, the deployment models for Mobile telephony / internet are strikingly different in for example India and North America. The use cases driving its adoption are similarly diverse. Initially, the internet in the US was driven by watching videos. Today the new Internet is evolving fast where central African countries were the first to use it for banking and the US leads in its use for supply chain management. Here we discuss what are apt to be the leading use cases for Big Emerging economies like India. We will
discuss this in three “layers.” We will discuss this in four aspects; applications, business models, infrastructure and enablers (policy, skills, security and privacy)

**Plenary II (LT4)**
Saturday, December 9
11:10-11:50

"Weather means Business" for our Technical and Business people

Himanshu Goyal
*India Sales & Alliances Leader, The Weather Company*

Chair: Jianping Li

**Abstract** The Weather Company, an IBM Business, is the world's largest private weather enterprise, helping people make informed decisions – and take action – in the face of weather. The company offers the most accurate, personalized and actionable weather data and insights to millions of consumers and thousands of businesses via Weather's API, its business solutions division, and its own digital products. We deliver up to 26 billion forecasts daily. Our products include a top weather app on all major mobile platforms globally; the world's largest network of personal weather stations; a top-20 U.S. website; the seventh most data-rich site in the world; one of the world’s largest IoT data platforms; and industry-leading business solutions. The world’s biggest brands in aviation, energy, insurance, media, and government rely on The Weather Company for data, technology platforms and services to help improve decision-making and respond to weather’s impact on business.

**Tutorial Lecture**

**Tutorial I** (Auditorium)
Friday, December 8
09:40-10:20

**CONVERTING ENTERPRISE KNOWLEDGE TO EMPLOYEE WISDOM**

A. D. Amar
*Professor of Management, Stillman School of Business, Seton Hall University, USA*

Chair: Jongwon Lee

**Abstract** This paper covers knowledge and its evolution through the development of human mind and its role in organized work activity. This development has made knowledge an indispensable input factor for all productive activities—industrial or nonindustrial. Following the well-accepted metaphorical linkage leading to wisdom, the paper goes over how organizations, going through the content of human mind, can lead their employees to the wisdom the organization needs. It defines wisdom as the capacity to purposefully coordinate all, or some, of the steps leading to wisdom that result into actions that successfully deliver objectives and goals of the organization. Alternatively, this paradigm describing wisdom does not recognize the value of knowledge or understanding in itself. Knowledge or understanding is of any relevance because of its value for wisdom.

The rationality of not distinguishing between knowledge and wisdom presented in this paper challenges the frontend of the paradox that establishes the genesis of wisdom in the chain of data-information-knowledge. The rationale presented also challenges the backend of this chain that establishes the knowledge-understanding-wisdom linkage. Instead, we postulate wisdom as an integrative of data, information, understanding, and knowledge. Likewise, experience or tacit knowledge constituents of wisdom may bypass the understanding step leading to wisdom.

This postulate is guided by the assumption that intuition, ability to prognosticate, quick observation of the situation, and focus on the desired outcome proxy for data, information, knowledge and understanding. Wisdom uniquely coalesces all of them in accomplishment of the objectives and goals set by the organization.

**Tutorial II** (LT4)
Saturday, December 9
09:30-10:10

**Beyond innovation: How transformative thinking should be part of our daily work**

Deepak Khazanchi
*Professor, College of Information Science & Technology (IS&T) at the University of Nebraska at Omaha (UNO)*

Chair: Shusaku Tsumoto

**Abstract** Innovation might be the buzzword word du jour but it is a concept that has existed since the origins of the human race. In fact, the ubiquity of the terms “innovation” and “creativity” in the language of business and management is threatening to empty them of meaning. At the end of this talk, participants will learn the following: (a) why and how we need to go beyond innovation in its traditional sense; (b) consider
the implications of transformative thinking for our daily work and emergent collaborations; and, (c) understand best practices and examples that illustrate the true significance of how such transformative thinking has the potential to have a impact on organizations and society writ large.

**Detailed Schedule**

<table>
<thead>
<tr>
<th>Track</th>
<th>Title</th>
<th>Authors</th>
<th>Date</th>
<th>Time</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Main Track-A (G10, ABBII)</strong></td>
<td>Prioritizing the Factors influencing Whistle Blowing Intentions of Teachers in Higher Education Institutes in India (ID 3)</td>
<td>Kriti Priya Gupta and Narendra Singh Chaudhary</td>
<td>Fri., 8 Dec. 2017</td>
<td>14:20-16:00</td>
</tr>
<tr>
<td><strong>Main Track-A (G10, ABBII)</strong></td>
<td>Behavioral Finance: A Review (ID 6)</td>
<td>Sujata Kapoor and Jaya Mamta Prosad</td>
<td>Fri., 8 Dec. 2017</td>
<td>14:20-16:00</td>
</tr>
<tr>
<td><strong>Main Track-B (G11, ABBII)</strong></td>
<td>Affect of Adversity Quotient on the Occupational Stress of IT Managers in India (ID 13)</td>
<td>Sandeep Singh and Tanu Sharma</td>
<td>Fri., 8 Dec. 2017</td>
<td>14:20-16:00</td>
</tr>
<tr>
<td><strong>Main Track-B (G11, ABBII)</strong></td>
<td>Perceived toxicity in leaders: Through the demographic lens of subordinates (ID 22)</td>
<td>Nivedita Singh, Santosh Dev and Santoshi Sengupta</td>
<td>Fri., 8 Dec. 2017</td>
<td>14:20-16:00</td>
</tr>
<tr>
<td><strong>Main Track-B (G11, ABBII)</strong></td>
<td>Effect of Emotional Intelligence on Job Performance of IT employees: A gender study (ID 36)</td>
<td>Priyam Dhani and Tanu Sharma</td>
<td>Fri., 8 Dec. 2017</td>
<td>14:20-16:00</td>
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<tr>
<td><strong>Main Track-B (G11, ABBII)</strong></td>
<td>Scale development &amp; validation for assessing attitude towards counterfeit luxury (ID 40)</td>
<td>Neena Sondhi</td>
<td>Fri., 8 Dec. 2017</td>
<td>14:20-16:00</td>
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<tr>
<td><strong>Main Track-B (G11, ABBII)</strong></td>
<td>Why Are Indian Banks Unable To Pass On The Interest Rate Cuts? An Enquiry (ID 56)</td>
<td>Manish Sinha</td>
<td>Fri., 8 Dec. 2017</td>
<td>14:20-16:00</td>
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<tr>
<td><strong>Main Track-B (G11, ABBII)</strong></td>
<td>Load Forecasting via Deep Neural Networks (ID 60)</td>
<td>Wan He</td>
<td>Fri., 8 Dec. 2017</td>
<td>14:20-16:00</td>
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<tr>
<td><strong>Main Track-B (G11, ABBII)</strong></td>
<td>Managing critical supply chain issues in Indian healthcare (ID 61)</td>
<td>Sudhanshu Singh, Rakesh Verma and Saroj Koul</td>
<td>Fri., 8 Dec. 2017</td>
<td>14:20-16:00</td>
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<tr>
<td><strong>Main Track-A (G12, ABBII)</strong></td>
<td>The application of stochastic bifurcation theory to the early detection of economic bubbles (ID 71)</td>
<td>Andrey Dmitriev, Victor Dmitriev, Oleg Sagaydak and Olga Tsukanova</td>
<td>Fri., 8 Dec. 2017</td>
<td>14:20-16:00</td>
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<tr>
<td><strong>Main Track-A (G12, ABBII)</strong></td>
<td>Analysis of the Relation between Artificial Intelligence and the Internet from the Perspective of Brain Science (ID 75)</td>
<td>Feng Liu, Shi Yong and Peijia Li</td>
<td>Fri., 8 Dec. 2017</td>
<td>14:20-16:00</td>
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<tr>
<td><strong>SS 01-A: Special Session 01</strong></td>
<td>A Fuzzy Inference System to Support Medical Diagnosis in Real Time (ID 31)</td>
<td>Igor Barone de Medeiros, Maria Augusta Soares Machado, Wallace José Damasceno, André Machado Caldeira, Rodrigo Costa dos Santos and Joel Batista da Silva Filho</td>
<td>Fri., 8 Dec. 2017</td>
<td>14:20-16:00</td>
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<tr>
<td><strong>SS 02-A: Special Session 02</strong></td>
<td>Decision Based Modeling of a Flexible Manufacturing Cell based on Hierarchical Timed Colored Petri Nets (ID 49)</td>
<td>Sanjib Kumar Saren, Florin Blaga, Simona Dzitac and Tiberiu Vesselenyi</td>
<td>Fri., 8 Dec. 2017</td>
<td>14:20-16:00</td>
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<tr>
<td><strong>SS 02-A: Special Session 02</strong></td>
<td>An Entropy based Method for Overlapping Subspace Clustering (ID 54)</td>
<td>Charu Puri and Naveen Kumar</td>
<td>Fri., 8 Dec. 2017</td>
<td>14:20-16:00</td>
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<tr>
<td><strong>SS 02-A: Special Session 02</strong></td>
<td>Selecting industrial robots for milling applications using AHP (ID 69)</td>
<td>Rada Eugen Breaz, Octavian Bologa and Sever Gabriel Rac</td>
<td>Fri., 8 Dec. 2017</td>
<td>14:20-16:00</td>
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<tr>
<td><strong>SS 02-A: Special Session 02</strong></td>
<td>Integration of Extenics and Axiomatic Design theory (ID 48)</td>
<td>Wenjuan Li, Zhenghe Song, C. Steve Suh and Enrong Mao</td>
<td>Fri., 8 Dec. 2017</td>
<td>14:20-16:00</td>
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<tr>
<td><strong>SS 02-A: Special Session 02</strong></td>
<td>Model and application of product conflict problem with integrated TRIZ and Extenics for low-carbon design (ID 77)</td>
<td>Jianqiang Zhou, Fangzhi Gui, Yanwei Zhao, Zhiwei Xie and Shedong Ren</td>
<td>Fri., 8 Dec. 2017</td>
<td>14:20-16:00</td>
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</tbody>
</table>
Application of extension theory in emotion management (ID 99)
Yingying Zhou, Jilei Shi and Leilei Wu

An Empirical Study on the Relationship between Young Teachers' Job Stress and Organizational Commitment in Chinese Universities (ID 129)
Pingping Li, Yanbin Liu, Ping Yuan and Fanghui Ju

A Study on Farmers' Agriculture related Tourism Entrepreneurship Behavior (ID 146)
Ping Yuan, Yanbin Liu, Fanghui Ju and Xingsen Li

The idiosyncratic volatility puzzle: A time-specific phenomenon (ID 19)
Xindong Zhang, Xiaoxin Hu and Xiaoli Wang

A Free Boundary Problem for pricing a defaultable restricted callable corporate bonds (ID 39)
Jin Liang and Ying Chen

Interaction relationship among international portfolio flows: an empirical study based on network analysis (ID 162)
Suxiao Li and Haizhen Yang

Asymmetric Synchronicity in Extreme Stock Price Movements: Evidence from China's Stock Market (ID 216)
Yang Liu and Xiaoguang Yang

How does economic policy uncertainty interact with sovereign bond yield? Evidence from US (ID 29)
Jun Wang, Xiaolei Sun and Jianping Li

Sustainability of Brazilian Companies: a Financial Analysis (ID 30)
Bruno Roberto Santos, Maria Augusta Soares Machado, Danilo Jusan and André Machado Caldeira

Research on the Influencing Factors of User's Online Knowledge Consumption Behavior (ID 34)
Jing Li, Shuai Zhang, Wentao Wang and Yunzhi Wang

Investments in a New Technological Infrastructure: Decision Making Using the ELECTRE-TRI Methodology (ID 38)
João Guerra Duarte Neto, Maria Augusta Soares Machado, Luiz Flávio AutranMonteiro Gomes, André Machado Caldeira and Frederico Silva Valentim Sallum

A Method of Estimating Operational Risk: Loss Distribution Approach with Piecewise-defined Frequency Dependence (ID 51)
Yinghui Wang, Jianping Li and Xiaqian Zhu

Modeling Dependence between European Electricity Markets with Constant and Time-varying Copulas (ID 16)
Jiangze Du and Kin-Keung Lai

Aging, Urbanization, and Energy Intensity based on Cross-national Panel Data (ID 42)
Fangtao Liu, Miao Yu and Pu Gong

Impact of Emissions Trading System on Renewable Energy Output (ID 43)
Miao Yu, Mingshuai He and Fangtao Liu

Forecasting Crude Oil Prices: a Deep Learning based Model (ID 58)
Yanhui Chen, Kaijian He and Geoffrey K.F. Tso

Sensitivity analysis of China’s energy-related CO2 emissions intensity for 2012 based on input–output Model (ID 66)
Ling Li, Junrong Zhang and Ling Tang

Media effect on public’s perceptions of the Chinese government anticorruption: evidence from a survey experiment (ID 89)
Meihong Zhu and Aihua Li

Research on Data Stream Clustering Based on FCM Algorithm (ID 121)
Tiancheng Gao, Aihua Li and Fan Meng

The Study of Credit Scoring Model Based on Group Lasso (ID 134)
Hongmei Chen and Yaoxin Xiang

Evaluating the well-qualified borrowers from
Market Manipulation Detection Based on Classification Methods (ID 153)
Aihua Li, Jiede Wu and Zhidong Liu

**WS 04: Workshop 04(F7, ABBII)** Fri, 8 Dec. 2017
Chair: Yingjie Tian, Zhiquan Qi, Yong Shi
14:20-16:00
D-FCM: Density based fuzzy c-means clustering algorithm with application in medical image segmentation (ID 81)
Hua-Xin Pei, Zeng-Rong Zheng, Chen Wang, Chun-Na Li and Yuan-Hai Shao

Study on public opinion propagation in self media age based on time delay differential model (ID 97)
Meimei Zhang and Wenhui Wang

Risk Spillover Effect of Chinese Commercial Banks: Based on Indicator Method and CoVaR Approach (ID 182)
Xiu-Qi Fan, Meng-Di Du and Wen Long

Influencing Factors of Intelligent Manufacturing: Empirical Analysis Based on SVR Model (ID 194)
Xinyuan Liu, Qing Cheng and Kun Guo

Identifying Subscribers in Freemium E-commerce Model Based on Support Vector Classification (ID 221)
Yongtao Yu, Bo Wang and Xiaodan Yu

**Main_Track-A(G10, ABBII)** Fri., 8 Dec. 2017
16:20-18:00
E-Learning for Employability Skills: Students Perspective (ID 80)
Anita Singh and Lata Bajpai Singh

Development of the Environmental Sustainability Indicator Profile for ITeS Industry (ID 83)
Shiv Shankar Kumar Yadav, Naseem Abidi and Asit Bandyopadhyay

The Relationship between Leader’s Emotional Intelligence and Employee Creativity: A Conceptual Framework of Mechanism (ID 95)
Ragini Gupta and Badri Bajaj

Employee Ability to Innovate: How Can Organizations Recognize It (ID 98)
A.D. Amar and Kevin Mullaney

**Main_Track-B(G11, ABBII)** Fri., 8 Dec. 2017
16:20-18:00
Classification of Brain MRI Tumor Images: A Hybrid Approach (ID 101)
Sanjeev Kumar, Chetna Dabas and Sunila Godara

Sustainability practices in the luxury industry: How can one be sustainable in an over-consumptive environment? - Sustainability in the automotive world: The case of Tesla (ID 111)
Remy Aybaly, Laura Guerquin-Kern, Ivan Coste Manière, Doris Madacova and Julia van Holt

Luxury Toys for Men: when women will let us decide and buy on our own? (ID 112)
Marion Amirouche, François Arnault, Fabien Boyaval, Ivan Coste Manière, Candice Salomé and Julia van Holt

Social Return on Investment (SROI) for Hindustan Unilever’s (HUL) CSR initiative on livelihoods (Prabhat) (ID 116)
Varinder K. Gambhir, Niraj Majmudar, Shubham Sodhani and Neema Gupta

Online luxury: The code breakers of a traditional sector (ID 119)
Laurie Castillan, Carole Chheang, Caroline Denoux, Céline Ferrenbach, Caroline Gérard, Evelyne Hua, Julia Van Holt and Ivan Coste Manière,

**SS 01-B: Special Session 01-** Fri., 8 Dec. 2017
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Applying multi-criteria analysis in a port system (ID 96)
Claudia A. Duran, Fredi Palominos and Felisa M. Cordova

Selecting between CNC milling, robot milling and DMLS processes using a combined AHP and fuzzy approach (ID 154)
Radu-Eugen Breaz, Octavian Bologa and Sever-Gabriel Racz

Clu-PoF-A Novel Post Filtering Approach for Efficient Context Aware Recommendations (ID 163)
Anu Taneja and Anuja Arora

Support Vector Machine Optimized by Elephant
Herding Algorithm for Erythematous-Squamous Diseases Detection (ID 180)
Eva Tuba, Ivana Ribic, Romana Capor-Hrosik and Milan Tuba

SS 02-B: Special Session 02-
B(G13, ABBII) Fri., 8 Dec. 2017 16:20-18:00
Chair: Xingsen Li, Chunyan Yang, Yanwei Zhao, Ping Yuan, Chaoyi Pang

Bayes-Extension Discriminant Method of Two Populations Based on Multivariate Kernel Density Estimation (ID 152)
Jilei Shi, Shuhai Zhu, Yingying Zhou and Rihua Li

Topic Modelling Driven Content Based Jobs Recommendation Engine for Recruitment Industry (ID 168)
Shivam Bansal, Aman Srivastava and Anuja Arora

Cost extension control model in Digital Context: from continuous cost reduction to value co-creation (ID 204)
Ling Xu, Chengxiao Zhang, Jing Guo and Xingsen Li

The Reconciliation of the Contradictions in the Preservation and Development of Traditional Villages: Refinement of Contradictions through Extenics (ID 215)
Tao Wang, Kemi Adeyeye, Dongsheng Wang, Haibo Guo and Suliu Chen

A Hybrid Information Construction Model on Factor Space and Extenics (ID 220)
Xingsen Li, Haitao Liu, Cheng Chen and Shouzhen Zeng

Twitter Presence of Jet Airways-Deriving Consumer Insights Using Netnography and Wordclouds (ID 2)
Vandana Ahuja and Moonis Shakeel

Generating trust using Facebook-A study of 5 online apparel brands (ID 5)
Radhika Sharma, Shirin Alavi and Vandana Ahuja

Factors influencing consumers’ attitude towards adoption and continuance use of mobile applications: a conceptual model (ID 20)
Anshul Malik, S. Suresh and Swati Sharma

Segmenting & profiling the deflecting customer: understanding shopping cart abandonment (ID 79)
Neena Sondhi

Duty-free shops: Are luxury brands being democratized? (ID 109)
Svetlana Thubert, Leslie Francoulon, Laura Weber, Ivan Coste Maniere and Fabien Boyaval

Cyber psychology and cyber behaviour of adolescents-the need of the contemporary era (ID 133)
Vanshika Ahuja and Shirin Alavi

Power Demand Forecasting and Application based on SVR (ID 52)
Qing Guo, Yuyao Feng, Xiaolei Sun and Lijun Zhang

Using LDA Model to Quantify and Visualize Textual Financial Stability Report (ID 73)
Guowen Li, Xiaojian Zhu, Jun Wang, Dengsheng Wu and Jianping Li

Comparison of different methods to design risk matrices from the perspective of applicability (ID 90)
Chunbing Bao, Dengsheng Wu, Jie Wan, Jianping Li and Jianming Chen

Mapping Research Collaboration Network of International Methane Hydrate Research (ID 161)
Xiaoli Lu and Cuifeng Ma

Improved Forecast Ability of Oil Market Volatility Based on combined Markov Switching and GARCH-class Model (ID 82)
Runfang Yu, Jiangle Du and Xiaotao Li

Determinants of loan funded successful in online P2P Lending (ID 177)
Yuejin Zhang, Haifeng Li, Mo Hai, Jiaxuan Li and Aihua Li

A Performance Evaluation of Classification Algorithms for Big Data (ID 208)
Impact of Individual and Employment Variable on Job Satisfaction & Turnover Intention among Sales and Marketing Professionals (ID 7)
Sanjeev M A

Employability Skills among Information Technology Professionals: A Literature Review (ID 8)
Rajnish Kumar Misra, Khushbu Khurana

Entrepreneurial Leadership and Organizational Effectiveness: A Comparative Study of Executives and Non-executives (ID 9)
Prachee Mishra, Rajnish Kumar Misra

Core Self Evaluations Scale: An Empirical Attestation among Software Professionals (ID 10)
Praveen Kumar Sharma, Rajnish Kumar Misra

A Mathematical Model of Consumers’ Buying Behaviour Based On Multiresolution Analysis (ID 117)
Prateep Upadhyay, S.K. Upadhyay and K.K. Shukla

Some characteristics of credal sets and their application to analysis of polls results (ID 118)
Andrey G. Bronevich and Natalia S. Spiridenkova

Consumer’s Perspective for Retailer's Consideration towards Purchase of Private Label Brands (ID 120)
Debdeep De and Ajay Singh

An Empirical Investigation of Factors Influencing the Development of Positioning Strategy (ID 127)
Irfan Butt, Uma Kumar and Vinod Kumar

Identifying Determinants of Toilet Usage by Poor in Urban India (ID 128)
Surya AV, Archna Vyas, Madhu Krishna and Naseem Abidi

Usage Analysis of Mobile Devices (ID 131)
Aman Kr. Singh, Ashish Kr. Prajapati and Vikash Kumar and Subhankar Mishra

Application of Design of Experiment Method for Sports Results Prediction (ID 143)
Fangyao Liu, Yong Shi and Lotfollah Najjar

Analytics in Human Resource Management - The OpenSKIMR Approach (ID 144)
Peter Mirski, Reinhard Bernsteiner and DaniaRadi

Government portals, social media platforms and citizenengagement in India: Some insights (ID 164)
Ravinder Kumar Verma, Sudeep Kumar and P. Vigneswara Ilavarasan

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Hanuv Mann, Inder Jit Singh Mann and Nehul Gullaiya

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Nilanjan Banik

An Empirical Study on Customer Preference towards Payment Banks over Universal Banks in Delhi NCR (ID 94)
Shalini Mittal, Anoop Pant and Shailesh Singh Bhadauria
Chair: Shikha Mehta, Parmeet Kaur, Anuja Arora

Multivariate Features Based Instagram Post Analysis to Enrich User Experience (ID 27)
Vatsala Mittal, Aastha Kaul, Santoshi Sen Gupta and Anuja Arora

Opinion Ensembling for Improving Economic Growth through Tourism (ID 47)
Charu Puri, Akhil, Gaurav, Kush, Naveen Kumar

Understanding Nature of Social Media Usage by Mobile Wallets Service Providers – An Exploration through SPIN Framework (ID 57)
Purva Grover, Arpan Kumar Kar and P. Vigneswara Ilavarasan

Social media usage vs. stock prices: an analysis of Indian firms (ID 64)
Bhavya Kaushik, Harshit Hemani and P. Vigneswara Ilavarasan

Cricket Team Prediction with Hadoop: Statistical Modeling Approach (ID 106)
Shubham Agarwal, Lavish Yadav and Shikha Mehta

Effect of Social Media Connectivity on Success of Crowdfunding Campaigns (ID 150)
Harmeet Kaur and Jaya Gera

Chair: Nitin Upadhyay, Shriram Anil Purankar

Optimizing the Recruitment Funnel in an ITES Company: An Analytics Approach (ID 140)
Mamta Mohapatra and Priyanka Sahu

A Multi Attribute Value Theory approach to rank association rules for leveraging better business decision making (ID 195)
Shekhar Shukla, B.K. Mohanty and Ashwani Kumar

Market Efficiency between Indian & US Crude Oil Future Market (ID 196)
Swati Sharma

Future Directions and a Roadmap in Digital Computational Humanities for a Data Driven Organization (ID 200)
Shalini Upadhyay and Nitin Upadhyay

Managing Cloud Service Evaluation and Selection (ID 201)
Nitin Upadhyay

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Chair: Jing He, Bo Mao, Hai Liu

Study on prediction model of grain post-harvest loss (ID 25)
Hanxiao Yu, Bingchan Li, Dongqin Shen, Jie Cao and Bo Mao

Analysis of Grain Storage Loss Based on Decision Tree Algorithm (ID 26)
Xueli Liu, Bingchan Li, Dongqin Shen, Jie Cao and Bo Mao

TIDM: Topic-Specific Information Detection Model (ID 45)
Wen Xu, Jing He, Bo Mao, Youtao Li, Peiqun Liu and Jie Cao

PCA based 3D City Model Generalization for ElectricitySimulation (ID 122)
Yan Li, Fanfan Liu, Ming Li, Cheng Zhang, Shengya Han, Chengyuan Wang, Yaoting Tang

On-demand Interdomain Path Building Protocol (ID 123)
Yansheng Qu, Cheng Zhang, Chengyuan Wang, Fanfan Liu, Hao Xu, Yin Liu

Implementation and Current Status of Food Traceability System in Jiangsu China (ID 124)
Yun Cao, Xiaokang Liu, Chun Guan and Bo Mao

Analysis of the grain loss in harvest based on logistic regression (ID 139)
Tingkai Huang, Bingchan Li, Dongqin Shen, Jie Cao and Bo Mao

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Chair: Neerja Pande

Virtual Team Effectiveness: An Empirical Study Using SEM (ID 4)
Swati Kaul Bhat, Neerja Pande and Vandana Ahuja

Employability Skills Essential for Healthcare Industry (ID 85)
Swati Sisodia and Neetima Agarwal

Digital Communication: Easing Operational Outcomes in the Workplace (ID 205)
Shoma Mukherji and Neerja Arora

Technology-mediated learning paradigm and the blended learning ecosystem: what works for working
Manipulability of majoritarian rules by coalitions with the same first-ranked alternative (ID 190)
Fuad Aleskerov, Daniel Karabekyan, Alexander Ivanov and Vyacheslav Yakuba

Non-uptake of a Low Cost Retail Management Solution by Small Businesses: An Empirical Analysis (ID 191)
Nimish Joseph, Harleen Singh Somal, P. Vigneswara Ilavarasan and Arpan K Kar

Planning in Aircraft Industry based on prediction of Air Traffic (ID 197)
Yash Madhwal and Zinaida Avdeeva

Off-line Handwritten Numeral Recognition using Hybrid Feature Set – A Comparative Analysis (ID 207)
Savita Ahlawat and Rahul Rishi

Mining Text for Disease Diagnosis (ID 213)
Shusaku Tsumoto, Tomohiro Kimura, Haruko Iwata and Shoji Hirano

An empirical study of chance-constrained portfolio selection model (ID 223)
Yingwei Han and Ping Li

Temporal scaling and inter-individual hemispheric asymmetry of chaos estimation of EEG time series (ID 68)
Hernán A. Díaz M., Fernando Maureira and Felisa Córdova


Zinaida Avdeeva

The technology of the strategic goal-setting and monitoring of a system development on the basis of cognitive mapping (ID 188)
Zinaida Avdeeva and Svetlana Kovriga

An alternative calculation of the consensus degree in group decision making problems (ID 145)
M. J. del Moral, F. Chiclana, J. M. Tapia García, E. Herrera-Viedma

Aggregation operators in group decision making: identifying citation classics via H-classics (ID 178)
Francisco Javier Cabrerizo, María De Los Ángeles Martínez, Manuel Jesus Cobo Martín, Pedro Lázaro-Rodríguez, Javier López-Gijón and Enrique Herrera-Viedma

Speak Up: Get Rid from Daily Problems (ID 181)
Afreen Iqbal, Sejal Goyal, Anuja Arora and Niyati Aggrawal

Assessing influence of online reputation on sales using a zero-inflated negative binomial model (ID 209)
Min Xu, Qiang Ye, Xiaolín Wang and Mohan Wang

A Study of the Connected Worker’s Techno-Stress: Focusing on a Mediating Role (ID 202)
Sungbum Park

Investigating the Market Success of Software-as-a-Service Providers: The Multivariate Latent Growth Curve Model Approach (ID 224)
Seohyun Kim, Chungsung Kim and Sungbum Park

Developing a Financial Inclusion Index for India (ID 184)
Sweta Goel and Rahul Sharma

Decline in Mobile Application Life Cycle (ID 185)
Anushruti Vagrawi, Nairaj Kumar and P. Vigneswara Ilavarasan

Exploring Factors affecting Supply Chain of IT Products: A Retailer’s Perspective (ID 187)
Vishal Gupta and Naseem Abidi

The technology of the strategic goal-setting and monitoring of a system development on the basis of cognitive mapping (ID 188)
Zinaida Avdeeva and Svetlana Kovriga

SS 19: Special Session 19 (F6, ABBII)
Chair: Enrique Herrera-Viedma, Gang Kou, Florin Filip, Francisco Javier Cabrerizo, Ignacio Javier Pérez
An alternative calculation of the consensus degree in group decision making problems (ID 145)
M. J. del Moral, F. Chiclana, J. M. Tapia García, E. Herrera-Viedma

SS 20: Special Session 20 (F7, ABBII)
Chair: Sungbum Park, Jianping Li
A Study of the Connected Worker’s Techno-Stress: Focusing on a Mediating Role (ID 202)
Sungbum Park

Investigating the Market Success of Software-as-a-Service Providers: The Multivariate Latent Growth Curve Model Approach (ID 224)
Seohyun Kim, Chungsung Kim and Sungbum Park

Main.Track-A (G11, ABBII)
Chair: Moonis Shakeel and Sujata Kapoor
Developing a Financial Inclusion Index for India (ID 184)
Sweta Goel and Rahul Sharma

Decline in Mobile Application Life Cycle (ID 185)
Anushruti Vagrani, Nairaj Kumar and P. Vigneswara Ilavarasan

Exploring Factors affecting Supply Chain of IT Products: A Retailer’s Perspective (ID 187)
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The technology of the strategic goal-setting and monitoring of a system development on the basis of cognitive mapping (ID 188)
Zinaida Avdeeva and Svetlana Kovriga

SS 7&9: Special Session 7&9 (G12, ABBII)
Chair: Franco Fernando Yanine, Felisa M. Córdova, Antonio Sanchez-Squella, Rogers Atero, Hernán Díaz, Fredi Palominos
Temporal scaling and inter-individual hemispheric asymmetry of chaos estimation of EEG time series (ID 68)
Hernán A. Díaz M., Fernando Maureira and Felisa Córdova

Challenges (ID 87)
Fernando Yanine, Antonio Sanchez-Squella, Aldo Barrueto, Felisa M. Cordova and Sarat Kumar Sahoo

Price setting in the retail electricity market under the Bertrand competition (ID 130)
Natalia Aizenberg and Nicolai Voropai

Long-range linear correlations and non-linear chaos estimation differentially characterize functional connectivity and organization of the Brain EEG (ID 167)
Hernán A. Díaz M., Fernando Maureira, Felisa Córdova and Fredi Palominos

Brain Topography Method based on Hilbert-Huang Transform (ID 169)
Felisa M. Córdova, Rogers Atero and Fernando Cifuentes

Study of the achievement of university students and their relationship with the selection process (ID 189)
Fredi E. Palominos, Seomara K. Palominos, Felisa M. Córdova and Hernán Díaz

Concept drift in Streaming Data Classification: Algorithms, Platforms and Issues (ID 158)
Janardan and Shikha Mehta

Modeling of Microblogging Social Networks: Dynamical System vs. Random Dynamical System (ID 160)
Andrey Dmitriev, Olga Tsukanova and Svetlana Maltseva

IPL Visualization and Prediction Using HBase (ID 179)
Shubra Singh and Parmeet Kaur

A Novel User-based Spam Review Detection (ID 192)
Simran Bajaj, Niharika Garg and Sandeep Kumar Singh

SS 18: Special Session 18 (LT4, ABBII)  Sat., 9 Dec. 2017 16:00-18:00
Chair: Vassil Alexandrov, Ying Liu
Hybrid Learning Network: A Novel Architecture for Fast Learning (ID 126)
Ying Liu and Chao Xiang

News clustering based on similarity analysis (ID 142)
Ilya Blokh and Vassil Alexandrov

Iterative Projection approach for solving the Territorial Business Sales optimization problem (ID 203)
Laura Hervert-Escobar and Vassil Alexandrov

Discovering Top-k Probabilistic Frequent Itemsets from Uncertain Databases (ID 211)
Haifeng Li, Yuejin Zhang and Ning Zhang

Methodology for Studying Agreement and Disagreements of Divergent Social Groups (ID 214)
Stella Elena Alexandrova

SS 21: Special Session 21 (F9, ABBII)  Sat., 9 Dec. 2017 16:00-18:00
Chair: Min Ho Ryu
Technology and Policy Strategies in the Era of CPS (Cyber Physical System) and Automated Driving (ID 18)
Hee-Woon Cheong and Hwally Lee

CPS(Cyber Physical System) based Manufacturing System Optimization (ID 105)
Sunghyun Kim and Sungbum Park

Towards Entrepreneurial Organization: From the case of Organizational Process Innovation in Naver (ID 132)
Young-Kyu Kim and Min Ho Ryu

Technology forecast of Dye sensitized Solar Cell as a Sustainable Future Energy (ID 186)
Byoungki Park and Jongyun Moon
The inauguration meeting of IAITQM successfully took place in Omaha of United States on Sunday, June 3, 2012. More than 50 participants, coming from China, United States, Australia, South Korea, Japan, The Netherlands, Poland, Romania, Singapore, Spain, Lithuania, Turkey and other countries, attended the meeting.

IAITQM is glad to have Prof. Siwei Cheng (deceased), Mr. Walter Scott (Chairman of Level 3 Communications Inc., board member of Berkshire Hathaway Inc) and Prof. James Tien (University of Miami) to serve as the Honorary Chairmen. IAITQM attendees discussed and passed the IAITQM bylaws, and held the first election. Attendees elected Prof. Yong Shi as the President, Prof. Peter Wolcott as the Vice President for Conferences, Prof. WikilKwak as the Vice President for Finance, and Prof. Jianping Li as the Secretary. According to the bylaws, the attendees also elected five committees and their chairpersons, namely, the advisory committee, the awards committee, the executive committee, the conferences committee, and the publications committee.

IAITQM's Vision:
The International Academy of Information Technology and Quantitative Management (The Academy) is a global community for educators, scholars, policy makers and professionals to promote innovation and excellence of information technology and quantitative management.

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The Academy
(1). Develops and maintains a professional identity for all educators, scholars, policy makers and professionals in the fields of information technology and quantitative management around the world;
(2). Promotes the use of information technology in business and other areas to gain competitive capability;
(3). Promotes the development of quantitative models in support of identifying solutions that can improve business management and operations;
(4). Provides multiple interchange or communication venues, including conferences, journals, books, newsletters, etc. to enhance the exchanges of ideas, research findings and business practices related to information technology and quantitative management;
(5). Acts as a leading association of information technology and quantitative management to improve business efficiency and effectiveness and eventually the quality of life for all humans.
The First International Conference on Information technology and Quantitative Management, May 2013, Suzhou, China

The Second International Conference on Information technology and Quantitative Management, June 2014, Moscow, Russia
The Third International Conference on Information technology and Quantitative Management, July 2015, Rio, Brazil

The Fourth International Conference on Information technology and Quantitative Management, August 2016, Asan, Korea
Jaypee Business School (JBS) is the latest symbol of the vision of its Founder Chancellor Hon'ble Shri Jaiprakash Gaur ji. JBS was started in the year 2007 as a constituent of Jaypee Institute of Information Technology (Deemed University). It has made good progress in a short span and has shown a very high level of academic accomplishment. JBS has benchmarked itself with the latest content and teaching methodologies across the country.

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These include

1. India Gate

![India Gate](image1)

2. Red Fort

![Red Fort](image2)
3. Akshardham Temple

4. Qutub Minar--The biggest tourist attraction to visitors in India is the Taj Mahal, located at Agra.
Campus Map
Area Map
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