Conference Schedule

Day 1: December 18, 2017 (Monday)

Time	Session	Venue
0900–1000 hrs.	**Registration**	
1000–1100 hrs.	**Inaugural Session**	**Auditorium**
1100–1130 hrs.	**High Tea**	
1130–1200 hrs. **(Keynote / Invited Talk-1)**	**Topic** : Ongoing Research Agenda on The Internet of Things (IoT) in The Context of Artificial Intelligence (AI) **Chair** : Prof. Andrina Granić, Croatia **Speaker :** Prof. Zakaria Maamar College of Technological Innovation Zayed University, Dubai, UAE	**G-06 (GF)**
1130–1200 hrs. **(Keynote / Invited Talk-2)**	**Topic** : Automated Quality Measurement of Man-Machine Interface **Chair** : Prof. Jian Song, China **Speaker :** Prof. Tarik Ozkul Computer Science and Engineering, College of Engineering, American University of Sharjah Sharjah, United Arab Emirates	**G-07 (GF)**
1200–1230 hrs. **(Keynote / Invited Talk-3)**	**Topic** : Quantitative OSS Project Assessment Based on Process Capability Index **Chair** : Prof. P. K. Kapur, India **Speaker:** Prof. Shigeru Yamada Dept. of Social Management Engineering Graduate School of Engineering, Tottori University, Japan	**G-06 (GF)**
1230–1300 hrs. **(Keynote / Invited Talk-4)**	**Topic** : Business Transformation in Hyper-Connected World **Chair** : Dr. Daniel Okunbor, USA **Speaker:** Sh. Anand Subramanian Director, Cloud Applications Strategy & Business Development Oracle Corporation, UAE	**G-06 (GF)**
1230–1300 hrs. **(Keynote / Invited Talk-5)**	**Topic** : Early Detection of Lung Cancer based on Artificial Intelligence Techniques **Chair** : Prof. Mohamed Bettaz, Jordan **Speaker:** Dr. Fatma Taher Vice-Chair, IEEE UAE Section Department of Electronics and Computer Science, Khalifa University of Science, Technology and Research Abu Dhabi, UAE	**G-07 (GF)**
1300–1400 hrs.	**Networking Lunch**	
1400–1430 hrs. **(Keynote / Invited Talk-6)**	**Topic** : One-class Classification in Multimodal Biometric Authentication **Chair** : Prof. Rolf Drechsler, Germany **Speaker:** Prof. Panos Liatsis Interim Chair and Professor, Department of Computer Science Professor, Department of ECE, The Petroleum Institute, A Part of Khalifa University of Science & Technology, Abu Dhabi, UAE	**G-06 (GF)**

1400–1430 hrs. **(Keynote / Invited Talk-7)**	**Topic** : Technology in Use: The Importance of Good Interface Design **Chair** : Prof. R. K. Kapur, India **Speaker :** Prof. Andrina Granić Full Professor of Computer Science Department of Computer Science, Faculty of Science University of Split, Split, Croatia	**G-07 (GF)**
1430–1500 hrs. **(Keynote / Invited Talk-8)**	**Topic** : Deflected Field-of-Views Receiver for Indoor MIMO Visible Light Communications **Chair** : Prof. Zakaria Maamar, UAE **Speaker:** Prof. Jian Song Professor, Department of Electronic Engineering Director of Tsinghua DTV Technology R&D Center Editor-in-Chief, ITU Journal of ICT-Discoveries Tsinghua University, Beijing, China	**G-06 (GF)**
1430–1500 hrs. **(Keynote / Invited Talk-9)**	**Topic** : A-5 based GSM Cryptosystems Implementation and Analysis **Chair** : Prof. Tarik Ozkul, UAE **Speaker:** Dr. Daniel Okunbor Professor of Computer Science Department of Mathematics and Computer Science Fayettville State University, USA	**G-07 (GF)**
1500–1530 hrs. **(Keynote / Invited Talk-10)**	**Topic** : Medical Image Analysis and Surgical Simulation – AI and VR Applications for Medicine **Chair** : Prof. Dinesh K. Sharma, India **Speaker:** Prof. Pheng Ann Heng Department of Computer Sc. & Engineering The Chinese University of Hong Kong, Hong Kong	**G-06 (GF)**
1500–1530 hrs. **(Keynote / Invited Talk-11)**	**Topic** : Verifying Next Generation Electronic Systems **Chair** : Prof. Brijesh Kumar, India **Speaker :** Prof. Rolf Drechsler Full Professor & Head of the Group for Computer Architecture, Institute of Computer Science, University of Bremen, Head, Cyber-Physical Systems Department, German Research Center for Artificial Intelligence, Germany	**G-07 (GF)**
1600–1615 hrs.	**Tea / Coffee Break**	
1615-1745 hrs. **(Technical Parallel Sessions)**	**Soft Computing and Big Data Analysis** **Chair** : Prof. Laxmi Ahuja, Amity University UP, Noida, India **Co-Chair:** Dr. Vinod Kumar Shukla, Amity University, Dubai, UAE	**G-04 (GF)**
	Recent Advances in Networking Technologies and Data Science **Chair** : Dr. Mounir Dhibi, Middle East College, Muscat, Oman **Co-Chair :** Dr. Ajay Vikram Singh, AIIT, Amity University, Noida, India	**109 (FF)**
	Modeling, Data Analytics and Testing **Chair** : Dr. Manoj Varshney, Hindu College, University of Delhi, India **Co-Chair** : Mr. Ved P. Mishra, Amity University Dubai	**110 (FF)**
	Emerging Trends in Infocom Technology and Management **Chair** : Dr. Deepak Kumar, AIIT, Amity University, Noida, India **Co-Chair** : Dr. Mayank Sharma, AIIT, Amity University, Noida, India	**111 (FF)**

Day 2: December 19, 2017 (Tuesday)

Time	Session	Venue
0900–1030 hrs. **(Technical Parallel Sessions)**	**Recent Advancements in Computing, Big Data (RAICBD)** **Chairs** : Dr. Praveen Kumar, ASET, Amity University, Noida, India Dr. Tanupriya Choudhury, ASET, Amity University, Noida, India	**G-04 (GF)**
	Security Issues in Big Data and Cloud Computing Environments **Chair** : Prof. Ajay Rana, ATPC, AUUP, India **Co-Chair** : Dr. Subhranil Som, AIIT, Amity University, Noida, India **Speaker** : Prof. Sudan Jha, School of Comp. Engg., KIIT University, India **Topic** : IoT based approaches-trending in the Current Scenarios	**109 (FF)**
	Innovation in Software Engineering **Chair** : Dr. Varun Gupta, ASET, Amity University, Noida, India **Co-Chair** : Dr. Chetna Gupta, JIIT, India	**110 (FF)**
	Emerging Trends in Computer Science and Information Technology **Chair** : Prof. G Raju, Kannur University, India **Co-Chair** : Dr. Harish Kumar, Panjab University, India	**111 (FF)**
1030–1045 hrs.	**Tea / Coffee Break**	
1045–1115 hrs. **(Invited / Keynote Talk-12)**	**Topic** : Overview of Humidity Driven Reliability Issues of Electronics **Chair** : Prof. Mario Jose Divan, Argentina **Speaker** : Prof. Rajan Ambat Prof. in Corrosion and Surface, Dept. of Mechanical Engg. Technical University of Denmark, Lyngby, Denmark	**G-06 (GF)**
1045–1115 hrs. **(Keynote / Invited Talk-13)**	**Topic** : Software Testing and Verification **Chair** : Dr. Shinji Inoue, Japan **Speaker** : Prof. Safeeullah Soomro Dean, College of Computer Studies, AMA International University, Bahrain	**G-07 (GF)**
1100-1200 hrs. **(Open House Discussion for School Students of Science Streams)**	**Topic:** Career Opportunities and Research Directions in ICT & Unmanned Systems **Moderator:** Dr. Kavita Shukla, Asst. VP, SR & CRC, AUD **Speakers:** Prof. N Ramachandran, Amity University Dubai Prof. Sunil K Khatri, AIIT, AUUP, India Prof. Andrina Granic, University of Split, Croatia Prof. Ishfaq Ahmad, University of Texas at Arlington, USA Prof. Ajay Rana, ATPC, AUUP, India Prof. Rolf Drechsler, University of Bremen, Germany Prof. R K Kapur, AITEM, AUUP, India Dr. Masoud Mohammadian, University of Canberra, Australia Dr. Sanjay Singh, AISST, AUUP, India	**Auditorium**
1115–1145 hrs. **(Keynote / Invited Talk-14)**	**Topic** : User Based Fault detection, Vulnerability Discovery and Patching : An Interdisciplinary Research **Chair** : Prof. Shigeru Yamada, Japan **Speaker** : Prof. P K Kapur Director, ACFIR, Amity University, Noida, UP, India	**G-06 (GF)**
1115–1145 hrs. **(Keynote / Invited Talk-15)**	**Topic** : Innovative Applications of Artificial Intelligence in Software Engineering **Chair** : Prof. Dilip Sharma, India **Speaker** : Dr. Masoud Mohammadian Asso. Professor in Comp. Sc., University of Canberra, Australia	**G-07 (GF)**
1145–1215 hrs. **(Keynote / Invited Talk-16)**	**Topic** : CARTS: A Cooperative Autonomous Reactive System **Chair** : Prof. Ishfaq Ahmad at Arlington, USA **Speaker** : Prof. Boumediene Belkhouche College of IT, United Arab Emirates University, Al-Ain, UAE	**G-06 (GF)**

1145–1215 hrs. **(Keynote / Invited Talk-17)**	**Topic** : New Realization Methods of Frequency Agile Filters for Encrypted Communications and Multi-Standard Transceivers **Chair** : Prof. Brijesh Kumar, India **Speaker:** Prof. Hakan Kuntman Electronics and Communication Engineering Dept., Faculty of Electrical and Electronics Engineering, Istanbul Technical University, Maslak/Istanbul, Turkey	**G-07 (GF)**
1245–1330 hrs.	**Networking Lunch**	
1330–1400 hrs. **(Keynote / Invited Talk-18)**	**Topic** : Resource and Energy Management in High-Performance Computing Systems: From Heterogeneous to Exa-scale Platforms **Chair** : Prof. Ahmad T. Al-Taani, Jordan **Speaker :** Prof. Ishfaq Ahmad Professor of Computer Science and Engineering University of Texas at Arlington, USA	**G-06 (GF)**
1330–1400 hrs. **(Keynote / Invited Talk-19)**	**Topic** : On Bayesian Inference of Software Reliability Measurement **Chair** : Prof. Sunil Kumar Khatri, India **Speaker :** Dr. Shinji Inoue Associate Professor, Faculty of Informatics, Kansai University, Osaka, Japan	**G-07 (GF)**
1400–1430 hrs. **(Keynote / Invited Talk-20)**	**Topic** : Neuro Adaptive Control of Nonlinear Processes **Chair** : Prof. Rajan Ambat, Denmark **Speaker :** Prof. Milorad Božić Professor, Faculty of Electrical Engineering, University of Banja Luka, Bosnia Herzegovin	**G-06 (GF)**
1430–1500 hrs. **(Keynote / Invited Talk-21)**	**Topic** : Automatic Text Summarization Approaches **Chair** : Prof. Deepshikha Bhargava, India **Speaker :** Prof. Ahmad T. Al-Taani Professor of Artificial Intelligence, Dept. of Computer Science, Faculty of IT & Computer Sciences, Yarmouk University, Irbid – Jordan	**G-06 (GF)**
1430–1500 hrs. **(Keynote / Invited Talk-22)**	**Topic** : Two-Dimensional Software Reliability Growth Modeling Based on a CES Type Time Function **Chair** : Prof. Deepak Kumar, India **Speaker :** Dr. Yuka Minamino Department of Social Management Engineering, Graduate School of Engineering, Tottori University, Japan	**G-07 (GF)**
1500–1515 hrs.	**Tea / Coffee Break**	
1515–1700 hrs. **(Parallel Sessions)**	**Analytics, Machine learning and Internet of things** **Chairs** : Prof. Piyush Maheshwari, Amity University Dubai, UAE Prof. Mihir Narayan Mohanty, ITER, SOA University, India	**G-04 (GF)**
	Advance Technologies on Information Collection, Extraction and Transmission **Chair** : Dr. P. Vijaya, Waljat College of Applied Sciences, Oman **Co-Chair:** Satish Chander, Waljat College of Applied Sciences, Oman	**109 (FF)**
	Data Mining, Big Data and their Applications **Chairs** : Prof. Mario Jose Divan, Argentina Prof. Mohd. Helmy Abd Wahab, Malaysia **Topic** : Autonomous Demand-Side Management System for Peak Shaving and Energy Optimization in Electricity Distribution Networks **Speaker :** Prof. Adrián Will Advanced Information Technologies Research Group (GITIA), Dept. of Information Systems, NTU, Argentina **Paper** : Behavioural Similarity Analysis for Supporting the Recommendation in PAbMM **Author** : María Laura Sánchez Reynoso	**G-07 (GF)**

Day 3: December 20, 2017 (Wednesday)

Time	Session	Venue
0900–1045 hrs. **(Parallel Sessions)**	**Intelligent Communication System for Sensor based Mobile Ad-hoc Networks** **Chair** : Dr. Vijander Singh, Amity University Rajasthan, Jaipur, India **Co-Chair:** Dr. Linesh Raja, Amity University Rajasthan, Jaipur, India	**G-04 (GF)**
	Soft Computing and its Applications **Chair** : Dr. Ramesh C. Poonia, Amity University Rajasthan, Jaipur, India **Co-Chair:** Dr. Sonali Vyas, Amity University Rajasthan, Jaipur, India	**109 (FF)**
	Decision Support System for Societal Cause **Chair** : Dr. Prashant Johri, Galgotias University, Greater Noida, India **Co-Chair**: Prof. Rachna Jain, AIIT, Amity University UP, India	**110 (FF)**
	Quality & Risk Analysis **Chairs** : Prof. V.K. Sehgal, Bundelkhand University, Jhansi, India Dr. Ompal Singh, University of Delhi, India	**111 (FF)**
1045–1100 hrs.	**Tea / Coffee Break**	
1100–1130 hrs. **(Keynote / Invited Talk-23)**	**Topic** : On the Benefits of Using Aspect-Orientation in UPPAAL Timed Automata **Chair** : Prof. Safeeullah Soomro, Bahrain **Speaker:** Prof. Jüri Vain Department of Software Science, Tallinn University of Technology, Tallinn, Estonia	**G-06 (GF)**
1100–1130 hrs. **(Keynote / Invited Talk-24)**	**Topic** : Wireless computing: from Research to Applications **Chair** : Dr. Masoud Mohammadian, Australia **Speaker** : Prof. Mohd Helmy Abd Wahab Universiti Tun Hussein Onn Malaysia Johor, Malaysia	**G-07 (GF)**
1130–1200 hrs. **(Keynote / Invited Talk-25)**	**Topic** : The Brachistochrone Solution by Classical Methods and the Genetic Algorithm **Chair** : Prof. Mohd Helmy Abd Wahab, Malaysia **Speaker** : Prof. Raed Abu Zitar Professor & Founding Dean, College of Information Technology, Department of Computer Science, American University of Madaba, Jordan	**G-06 (GF)**
1130–1200 hrs. **(Keynote / Invited Talk-26)**	**Topic** : Challenges For Test and Fault Tolerance Due to Convergence of Electronics, Semiconductor Systems and Computing **Chair** : Prof. Milorad Božić, Bosnia **Speaker** : Prof. Afaq Ahmad Department of Electrical & Computer Engineering, Chair, Pre-Specialization Academic Advising Unit College of Engineering, Sultan Qaboos University, Oman	**G-07 (GF)**
1200–1230 hrs. **(Keynote / Invited Talk-27)**	**Topic** : Data-Driven Decision Making **Chair** : Prof. Deepshikha Bhargava, India **Speaker** : Prof. Mario Jose Divan Economics and Law School, University of La Pampa Engineering School, University of La Pampa, Argentina Director, Divsar, Consultor de Procesos y Sistemas de Soporte de Decisión, La Pampa, Argentina	**G-06 (GF)**
1200–1230 hrs. **(Keynote / Invited Talk-28)**	**Topic** : UML/OCL or Object-Z? **Chair** : Prof. Ajay Rana, India **Speaker:** Dr. Mohamed Bettaz Professor of Computer Science, Dean of the Faculty of Information Technology Philadelphia University, Jordan	**G-07 (GF)**

1230–1330 hrs.	Networking Lunch	
1330-1500 hrs. **(Parallel Sessions)**	**Artificial Intelligence** **Chairs** : Dr. Dilip K Sharma, GLA University, Mathura, India Brig. U K Chopra, AIIT, Amity University, Lucknow, India	**G-04 (GF)**
	Cyber, Information & Network Security **Chair** : Prof. R.K. Kapur, AITEM, Amity University, Noida, India **Co-Chair:** Dr. Vilas H. Gaidhane, BITS Pilani Dubai Campus	**109 (FF)**
	Aerospace Engineering **Chair** : Dr. Sanjay Singh, AIAE, Amity University, Noida, India **Co-Chair:** Prof. R K Chauhan, AIAE, Amity University, Noida, India	**110 (FF)**
1515–1600 hrs.	**Valedictory Function**	**Auditorium**