

CONFERENCE SCHEDULE

Day 1: February 04, 2019 (Monday)

TIME	SESSION	VENUE
0900–1000 hrs.	REGISTRATION	
1000–1030 hrs. (Keynote / Invited Talk-1)	Topic : How reliable is AI? Chair : Prof. Dr. Ahmad T. Al-Taani, Yarmouk University, Jordan Speaker: Prof. Min Xie Chair Professor of Industrial Engineering, Associate Dean (Internationalization), College of Engineering, Department of Systems Engineering and Engineering Management, City University of Hong Kong, Hong Kong	G-06 (GF)
1000–1030 hrs. (Keynote / Invited Talk-2)	Topic : The Partial-Value Association Discovery Algorithm and Applications Chair : Dr. Dilip K Sharma, GLA University, India Speaker: Prof. Nong Ye Program Chair of Industrial Engineering, School of Computing, Informatics, and Decision Systems Engineering, Ira A. Fulton School of Engineering, Arizona State University, USA	G-07 (GF)
1000–1030 hrs. (Keynote / Invited Talk-3)	Topic : Assistive Technologies for People with Disabilities Chair : Prof. Mohd Helmy Abd Wahab, Universiti Tun Hussein Onn Malaysia, Malaysia Speaker: Prof. Ishfaq Ahmad Professor of Computer Science and Engineering University of Texas, Arlington, USA	108(Ff)
1030–1100 hrs. (Keynote / Invited Talk-4)	Topic : Intelligent System Applications in Solving Engineering Problems Chair : Prof. Kenji Ozawa, University of Yamanashi, Japan Speaker: Prof. S. N. Singh Vice-Chancellor, MMMUT, Gorakhpur, India	G-06 (GF)
1030–1100 hrs. (Keynote / Invited Talk-5)	Topic : The Ultimate Self-Driving Machine Chair : Prof. Vitaly Klyuev, University of Aizu, Japan Speaker: Prof. Alok Choudhary Henry and Isabelle Dever Professor, EECs Department Professor, Kellogg School of Management Director, Center for Ultra-Scale Computing and Information Security (CUCIS), Northwestern University, Evanston, Illinois, USA	G-07(GF)
1030–1100 hrs. (Keynote / Invited Talk-6)	Topic : Deep Learning and Alternative Reality Chair : Dr. Syed Akhter Hossain, Daffodil International University, Bangladesh Speaker: Dr. Alain Tapp Full Professor in DIRO Department, Université de Montréal, Quebec, Canada	108 (FF)

1100–1130 hrs. (Keynote / Invited Talk-7)	Topic : Reliable and Fault Tolerant Systems on Chip Through Design for Testability Chair : Prof. R. C. Bansal, University of Sharjah, UAE Speaker: Prof. Afaq Ahmad Professor, Department of Electrical & Computer Engineering, College of Engineering, Muscat, Oman	G-07 (GF)
1100–1130 hrs. (Keynote / Invited Talk-8)	Topic : Neural Computing Approach for AD Diagnosis: Hybrid and Ontogenetic Neural Networks based Solutions Chair : Prof. S. N. Singh, MMMUT, India Speaker: Prof. Dra. Carmen Paz Suárez Araujo Head of Computational Neuroscience Research Division Director of Intelligent Computing, Perception and Big Data Research Group, Institute of Cybernetics Science and Technology, Universidad de Las Palmas de Gran Canaria, Spain	G-06 (GF)
1100–1130 hrs. (Keynote / Invited Talk-9)	Topic : Optimal policies on software time-to-market and testing duration when change-point coincides with the release time: A unified approach Chair : Dr. S.R. Subramanya, National University, California Speaker: Prof. P K Kapur Director, ACFIR, Amity University UP, Noida, India	108 (FF)
1130–1145 hrs.	TEA / COFFEE BREAK	
1145–1215 hrs. (Keynote / Invited Talk-10)	Topic : Extreme Data Management Analysis and Visualization for Exascale Supercomputers and Experimental Facilities Chair : Dr. Alain Tapp, Université de Montréal, Canada Speaker: Prof. Valerio Pascucci, Director, Center for Extreme Data Management, Analysis and Visualization, Professor, Scientific Computing and Imaging Institute, and School of Computing, University of Utah, USA	G-07 (GF)
1145–1215 hrs. (Keynote / Invited Talk-11)	Topic : Biometrics Security System Chair : Prof. Ajay Rana, AUUP, India Speaker: Dr. Syed Akhter Hossain Professor and Head, Department of CSE/CS/CIS Daffodil International University, Dhanmondi, Dhaka, Bangladesh	108 (FF)
1215–1245 hrs. (Keynote / Invited Talk-12)	Topic : Analysis of the publication activity of university researchers Chair : Prof. Jie Shen, Purdue University, USA Speaker: Dr. Yury Klochkov Director, Monitoring Centre for Science and Education, Prof., Dept. of Economics and Management. In Machine Building, St. Petersburg Polytechnic University, St. Petersburg, Russia	108 (FF)
1215–1245 hrs. (Keynote / Invited Talk-13)	Topic : Finding the Real News in News Streams Chair : Prof. Min Xie, City University of Hong Kong, Hong Kong Speaker: Prof. Vitaly Klyuev Head, Software Engineering Laboratory Division of Information systems, University of Aizu, Japan	G-07 (GF)

1215–1245 hrs. (Keynote / Invited Talk-14)	Topic : User Experience for Social Human-Robot Interactions Chair : Dr. Jia Di, University of Arkansas, USA Speaker: Prof Darelle van Greunen Professor, School of Information and Communication Technology Director, Center for Community Technologies Nelson Mandela University Port Elizabeth, South Africa	G-06 (GF)
1245–1315 hrs. (Keynote / Invited Talk-15)	Topic : Cost-Sensitive Decision Tree Learning Chair : Dr. Deepshikha Bhargava, UPES, India Speaker: Prof. Sunil Vadera Dean, School of Computing Professor of Computer Science University of Salford, Manchester, UK	G-06 (GF)
1245–1315 hrs. (Keynote / Invited Talk-16)	Topic : Evolutionary Optimisation for Reconstructing Gene Regularity Network Chair : Dr. S.R. Subramanya, National University, California Speaker: Dr. Madhushudan Chetty Associate Professor, Information Technology School of Science, Engineering and Information Technology Federation University Australia, Australia	108 (FF)
1245–1315 hrs. (Keynote / Invited Talk-17)	Topic : Towards IR4.0 – AI and IoT Application in Smart Waste Management System Chair : Prof. Ishfaq Ahmad, University of Texas, USA Speaker: Prof. Mohd Helmy Abd Wahab Senior Lecturer Universiti Tun Hussein Onn Malaysia Johor, Malaysia	104 (FF)
1245–1315 hrs. (Keynote / Invited Talk-18)	Topic : Role of AI in Mobile Health Chair : Prof. Piyush Maheshwari, Amity University Dubai, UAE Speaker: Dr. Assim Sagahyoon Interim Director, Smart Cities Research Institute (SCRI) Professor, Department of Computer Science and Engineering American University of Sharjah, UAE	G-07 (GF)
1315–1400 hrs.	NETWORKING LUNCH	
1400–1430 hrs. (Keynote / Invited Talk-19)	Topic : Simulating Human Vision and Vision Correcting Chair : Prof. (Dr.) Yuh-Jong Hu, National Chengchi University, Taiwan Speaker: Prof. Brian A. Barsky Professor of the Graduate School, Professor Emeritus of CS and Vision Science, University of California, Berkeley, USA	G-06 (GF)
1400–1430 hrs. (Keynote / Invited Talk-20)	Topic : Artificial Intelligence for Understanding the Quran Chair : Prof. Sunil Vadera, University of Salford, UK Speaker: Dr. Eric Atwell Professor of AI4L Artificial Intelligence for Language, School of Computing, University of LEEDS, UK	108 (FF)

1400–1430 hrs. (Keynote / Invited Talk-21)	Topic : The Logic of Artificial Emotions Chair : Prof. Alok Choudhary, Northwestern University, USA Speaker: Prof. John Jules Ch. Meyer(John-Jules) Department of Information and Computing Sciences Buys Ballot Laboratory Universiteit Utrecht De Uithof, Netherlands	G-07 (GF)
1500-1700 hrs. (Parallel Technical Sessions)	Data Analytics, Machine Learning and Intelligent Systems - I Chair : Dr. Prashant Johri, Galgotias University, Greater Noida, India Co-Chair : Dr. K. Arutchelvan, Annamalai University, India	G-04 (GF)
	Cyber and Information Security – I Chair : Prof. Rachna Jain, AIIT, Amity University UP, India Co-Chair : Dr. Vinod Kumar Shukla, Amity University, Dubai, UAE	109 (FF)
	Application of Artificial Intelligence in Interdisciplinary Research - I Chairs : Dr. Abhishek Srivastava, Amity University, India Dr. Rana Mazumdar, Techno India, India	110 (FF)
	Applications of AI in Networking Technologies and Data Science - I Chair : Dr. Ajay Vikram Singh, AIIT, Amity University, Noida, India Co-Chair : Prof. Kanthi M, Manipal, India	111 (FF)

Day 2: February 05, 2019 (Tuesday)

TIME	SESSION	VENUE
1000–1100 hrs.	INAUGURAL SESSION	Auditorium
1130-1230 hrs. (Open House Discussion for School Students of Science Streams)	Topic : AI Prospects for School Students Moderator: Dr. Kavita Shukla, Asst. VP, SR & CRC, AUD Speakers : Prof. Min Xie, City University of Hong Kong, Hong Kong Dr. Alain Tapp, Université de Montréal, Canada Prof. Brian A. Barsky, University of California, USA Prof Darelle van Greunen, Nelson Mandela University, South Africa Dr. Masoud Mohammadian, University of Canberra, Australia Prof. Kenji Ozawa, University of Yamanashi, Japan Dr. Syed Akhter Hossain, Daffodil International University, Bangladesh Prof. Valerio Pascucci, University of Utah, USA Prof. Alok Choudhary, Northwestern University, USA	Auditorium
1130–1200 hrs. (Keynote / Invited Talk-22)	Topic : An Asynchronous CNN Chip for Low Power Chair : Prof. Nong Ye, Arizona State University, USA Speaker: Dr. Jia Di Professor and 21 st Century Research Leadership Chair Computer Science and Computer Engineering Department University of Arkansas, USA	G-07 (GF)
1130–1200 hrs. (Keynote / Invited Talk-23)	Topic : Conversational Chatbots: Review, Challenges, and Future Directions Chair : Prof. Dra. Carmen Paz Suárez Araujo, Universidad de Las Palmas de Gran Canaria, Spain Speaker: Prof. Hakim Hacid Associate Professor College of Technological Innovation Zayed University, Dubai, UAE	108 (FF)
1200 – 1330 hrs. (Panel Discussion)	Topic : Artificial Intelligence and Its Application: Industry Perspective Moderator : Prof. Ajay Rana, AUUP, Noida, India Panelists : Deepak Talwar, <i>Director, Project & Business Development, EY</i> Mazen Al Arawi, <i>Sap Leonardo Solution Architect, EMEA South at UAE</i> Mathew Joseph, Wipro, Dubai Rajarshi Katak, <i>Head of Contracts, Electricity and Water Authority, Govt. of Kingdom of Bahrain</i> Jaspreet Singh, <i>Partner – Cyber Security at EY, Technology Evangelist</i> Safdar Hussain, <i>Lean Expert, ITIL V3 Expert</i> Shazily Munawar, <i>CEO and Founder of The Key Dxb</i> Anjan Bhattacharya, <i>Associate Partner – Cyber Security at EY</i> Vivek Sapre, <i>Head – Operations, Bahwan Group</i> Ashish Kumar Singh, <i>Head of Pre Sales, Avanza innovations</i> Coordinators: Anjani Bhatnagar, ATPC, AUUP, India Amit Pamnani, ATPC, AUUP, India Anupam Singh, ATPC, AUUP, India	G-06(GF)

1200–1330 hrs. (Parallel Technical Sessions)	Data Analytics, Machine Learning and Intelligent Systems - II Chair : Dr. Mayank Sharma, AIIT, Amity University, Noida, India Co-Chair : Prof. Ved P. Mishra, Amity University Dubai	G-04 (GF)
	Application of Artificial Intelligence in Interdisciplinary Research - II Chair : Dr. Deepak Kumar, AIIT, Amity University, Noida, India Co-Chair : Dr. Geetanjali Ramesh Chandra, Amity University Dubai, UAE	110 (FF)
	Applications of AI in Networking Technologies and Data Science - II Chair : Dr. Nitin Pandey, AIIT, Amity University, Noida, India Co-Chair : Dr. Vikram Chopra, Thapar University, India	111 (FF)
	Converging of Big Data, Cognitive Computing and the Internet of Things - I Chair : Prof. Deepshikha Bhargava, UPES, Dehradun, India Co-Chair : Dr. Sanjeev Agarwal, Thapar University, India	109 (FF)
1200–1230 hrs. (Keynote / Invited Talk-24)	Topic : CT-Derived Features for Accurate Detection of Lung Cancer Chair : Prof. Dr. Ing. Mario José Diván, National University of La Pampa, Argentina Speaker : Prof. Fatma Taher Assistant Dean for Student Affairs, CTI and ZU's CEO, Happiness, Positivity and Tolerance, College of Technological Innovation, Zayed University, Dubai, UAE	G-07 (GF)
1200–1230 hrs. (Keynote / Invited Talk-25)	Topic : Modeling and Deployment of an Autonomous Cart Pickup and Delivery System Chair : Prof. Afaq Ahmad, College of Engineering, Oman Speaker : Prof. Boumediene Belkhouche College of Information Technology United Arab Emirates University (UAEU), UAE	108 (FF)
1330-1400 hrs.	NETWORKING LUNCH	
1400–1430 hrs. (Keynote / Invited Talk-26)	Topic : Brief History and Trends of AI and Its Near– Term Impacts on Jobs Landscape Chair : Prof. Fatma Taher, Zayed University, UAE Speaker : Dr. S.R. Subramanya Professor, School of Engineering and Computing, National University, San Diego, CA, USA	G-06 (GF)
1400–1430 hrs. (Keynote / Invited Talk-27)	Topic : Modelling and Automatic Design and Control of Multi-Robot Systems using Collaborative Intelligent Systems Chair : Prof. Boumediene Belkhouche, United Arab Emirates University, UAE Speaker : Dr. Masoud Mohammadian Associate Professor in Computer Science University of Canberra, Canberra, Australia	G-07(GF)
1400–1430 hrs. (Keynote / Invited Talk-28)	Topic : Deep Reinforcement Learning for Optimizing Portfolio Management Chair : Prof. Hakim Hacid, Zayed University, UAE Speaker : Prof. (Dr.) Yuh-Jong Hu Full Professor at Department of Computer Science, Director of Computer Center National Chengchi University, Taiwan	108 (FF)

1430–1500 hrs. (Keynote / Invited Talk-29)	Topic : Sound Source Separation Using Spatio-temporal Sound Pressure Distribution Images and Machine Learning Chair : Prof. Valerio Pascucci, University of Utah, USA Speaker: Prof. Kenji Ozawa Department of Computer Science and Engineering, Faculty of Engineering, University of Yamanashi, Japan	G-06 (GF)
1430–1500 hrs. (Keynote / Invited Talk-30)	Topic : A Real-Time Outlier Filtering based on the Measurement Metadata Chair : Prof. Brian A. Barsky, University of California, Berkeley, USA Speaker: Prof. Dr. Ing. Mario José Diván Director, Divsar Economics and Law School National University of La Pampa Santa Rosa (CP 6300), La Pampa, Argentina	G-07 (GF)
1430–1500 hrs. (Keynote / Invited Talk-31)	Topic : Arabic Text Summarization using Firefly Algorithm Chair : Prof Darelle van Greunen, Nelson Mandela University, South Africa Speaker: Prof. Dr. Ahmad T. Al-Taani Full Professor of Artificial Intelligence Department of Computer Science, Faculty of Computer Science and Information Technology, Yarmouk University, Irbid - Jordan	108 (FF)
1500–1515 hrs.	TEA / COFFEE BREAK	
1515–1700 hrs. (Parallel Technical Sessions)	<u>Computer vision, Deep Learning & AI Applications - I</u> Chair : Prof. Piyush Maheshwari, Amity University Dubai, UAE Co-Chair: Dr. Ruqaiya Khanam, Galgotias University, India	G-04 (GF)
	<u>Optimization, Decision-making and Artificial Intelligence - I</u> Chair : Dr. Vijay Kumar, AIAS, Amity University, U.P, India Co-Chair: Dr. Surekha Kamath, MIT, Manipal, India	109 (FF)
	<u>Converging of Big Data, Cognitive Computing and the Internet of Things - II</u> Chair : Dr. Subhranil Som, AIIT, Amity University, U.P, India Co-Chair: Dr. Sonakshi Ruhela, Amity University Dubai, UAE	110 (FF)

Day 3: February 06, 2019 (Wednesday)

TIME	SESSION	VENUE
0900–1045 hrs. (Parallel Technical Sessions)	<u>Computer Vision, Deep Learning & AI Applications - II</u> Chair : Dr. Ajay Vikram Singh, AIIT, Amity University, Noida, India Co-Chair: Prof. Atul Sharma, UIET, India	G-04 (GF)
	<u>Optimization, Decision-making and Artificial Intelligence - II</u> Chair : Dr. Mandeep Mittal, AIAS, Amity University, U.P, India Co-Chair: Dr. Adarsh Anand, University of Delhi, India	109 (FF)
	<u>Soft Computing in Engineering Applications - I</u> Chair : Dr. Minimol Anil Job, Arab Open University, Bahrain Co-Chair: Dr. Sadia Riaz, Amity University Dubai, UAE	110 (FF)
	<u>Converging of Big Data, Cognitive Computing and the Internet of Things - III</u> Chairs : Dr. Sonali Vyas, Amity University Rajasthan, India Dr. Subhranil Som, AIIT, Amity University, U.P, India	111 (FF)
	<u>Quality Assurance & Risk Analysis</u> Chair : Dr. Nanik L. Butani, JBIMS, Mumbai, India Co-Chair : Dr. Bhupinder Singh, Amity University Dubai, UAE	104 (FF)
1045–1100 hrs.	TEA / COFFEE BREAK	
1100–1130 hrs. (Keynote / Invited Talk-32)	Topic : Software Reliability Analysis of Multistage Projects Chair : Prof. Deepshikha Bhargava, UPES, India Speaker: Prof. Néstor Ruben Barraza Full Professor at Universidad Nacional de Tres de Febrero Part Time Professor at University of Buenos Aires, Argentina	108 (FF)
1100–1130 hrs. (Keynote / Invited Talk-33)	Topic : An Accurate and Robust Approach for Gradient Flows Chair : Prof. Sunil Kumar Khatri, AUUP, India Speaker: Prof. Jie Shen Professor and Director Center for Computational & Applied Mathematics Department of Mathematics, Purdue University, USA	G-07 (GF)
1100–1130 hrs. (Keynote / Invited Talk-34)	Topic : Mathematical Morphology: A new paradigm in Machine Learning Chair : Dr. Masoud Mohammadian, University of Canberra, Australia Speaker: Dr. Panos Liatsis Interim Chair and Professor, Department of Computer Science Professor, Department of Electrical and Computer Engineering The Petroleum Institute, A Part of Khalifa University of Science & Technology, Abu Dhabi, UAE	G-06 (GF)
1230–1315 hrs.	NETWORKING LUNCH	

1315-1445 hrs. (Parallel Technical Sessions)	<u>Artificial Intelligence Based Innovation in Software Engineering</u> Chairs : Dr. Varun Gupta, Amity University, U.P, India Co-Chair : Dr. Singara Singh, TIET, Patiala, India	G-04 (GF)
	<u>Bio-Inspired Computation and Its Applications</u> Chair : Prof. Laxmi Ahuja, Amity University UP, Noida, India Co-Chair : Dr. Chander Diwakar, UIET, KUK, India	109 (FF)
	<u>Cyber and Information Security – II</u> Chair : Dr. Himanshu Gupta, AIIT, Amity University, U.P, India Co-Chair : Dr. Rupali Bhardwaj, TIET, Patiala, India	110 (FF)
	<u>Soft Computing in Engineering Applications - II</u> Chairs : Prof. Rajeev Pandey, Amity University Lucknow, India Dr. Archana Singh, ASET, Amity University, Noida, India	111 (FF)
	<u>AI Support System for Societal Cause</u> Chair : Dr. Dilip K Sharma, GLA University, Mathura, India Co-Chair : Dr. Maysra Hachem, Amity University Dubai, UAE	104 (FF)
1515–1615 hrs.	VALEDICTORY FUNCTION	Auditorium