## International Conference on Distributed Computing and Networking (ICDCN) 2017 TENTATIVE PROGRAMME

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| |  |  | | --- | --- | | **Workshops** | | | **Jan 4th, 2017** | **ComNetIoT**       Venue: Room No:  205 (9:00AM to 5:30PM) | | **Jan 4th, 2017** | [**AADDA**](http://idrbt.ac.in/ICDCN2017/program.html#aadda)             Venue: Room No: 212 from 2:00PM Onwards | | **Jan 7th, 2017** | **DiPTeFS**              Venue: CAT Lab (Room No: 215) from 9:00AM Onwards | |
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| |  |  | | --- | --- | | **5 January 2017** | | | **09:00 - 10:00** | **Registration** | | **10:00 - 11:00** | **Inauguration by Dr. Duvvuri Subbarao, Former Governor, RBI** (Venue: Auditorium) | | **11:00 - 11:30** | **Tea Break** | | **11:30 - 13:00** | **Session N1 | Session D1** (Room No:  205) | (Room No:  212) | | **13:00 - 14:00** | **Lunch** | | **14:00 - 15:30** | **Session N2 | Session D2** (Room No:  205) | (Room No:  212) | | **15:30 - 16:00** | **Tea Break** | | **16:00 - 17:00** | **Keynote 1: Prof. Chaitan Baru** (Venue: Auditorium) | | **17:15 – 18:00** | **ICDCN Steering Committee Meeting** (Venue: Auditorium) |  |  |  | | --- | --- | | **6 January 2017** | | | **09:30 - 10:30** | **Keynote 2: Prof. Ashwin Gumaste** (Venue: Auditorium) | | **10:30 - 11:00** | **Tea Break** | | **11:00 - 12:30** | **Session N3 | Session D3** (Room No:  205) | (Room No:  212) | | **12:30 - 13:30** | **Lunch** | | **13:30 - 14:30** | **Keynote 3: Prof. Aniket Kate** (Venue: Auditorium) | | **14:30 - 15:00** | **Tea Break** | | **15:00 - 16:30** | **Session N4 | Session D4** (Room No:  205) | (Room No:  212) | | **15:00 - 18:15** | **Doctoral Symposium** Venue: CAT Lab (Room No: 215) | | **18:30 - 19:30** | **Cultural Programme** (Venue: Auditorium) | | **19:30 - 21:00** | **Conference Dinner** |  |  |  | | --- | --- | | **7 January 2017** | | | **09:30 - 11:00** | **Session N5 | Session D5** (Room No:  205) | (Room No:  212) | | **11:00 - 11:30** | **Tea Break** | | **11:30 - 13:00** | **Session N6 | Session D6** (Room No:  205) | (Room No:  212) | | **13:00 - 13:15** | **Closing Remark** | | **Lunch** | |  ICDCN 2017 Distributed Computing Track Venue: Room No:  212  **Session#D1 – Fault-tolerance**   * Ashish Choudhury. Multi-valued Asynchronous Reliable Broadcast with a Strict Honest Majority * Luciana Arantes, Roy Friedman, Olivier Marin and Pierre Sens. Probabilistic Byzantine Tolerance Scheduling in Hybrid Cloud Environments * Ajoy K. Datta, Lawrence L. Larmore, Toshimitsu Masuzawa and Yuichi Sudo. A Self-Stabilizing Minimal k-Grouping Algorithm   **Session#D2 – Locality and Mobility**   * Klaus-Tycho Förster, Oliver Richter, Jochen Seidel and Roger Wattenhofer. Local Checkability in Dynamic Networks * (concise) Anisur Rahaman Molla and Gopal Pandurangan. Distributed Computation of Mixing Time and Local Mixing Time * Subhash Bhagat and Krishnendu Mukhopadhyaya. Fault-tolerant Gathering of Semi-synchronous Robots * (concise) Debasish Pattanayak, Kaushik Mondal, H. Ramesh and Partha Sarathi Mandal. Fault-Tolerant Gathering of Mobile Robots with Weak Multiplicity Detection   **Session#D3 – Complexity**   * Ali Mashreghi and Valerie King. Time-communication trade-offs for minimum spanning tree construction * Bapi Chatterjee. Lock-free Linearizable 1-Dimensional Range Queries * Sorrachai Yingchareonthawornchai, Vidhya Tekken Valapil, Sandeep Kulkarni, Eric Torng and Murat Demirbas. Efficient Algorithms for Predicate Detection using Hybrid Logical Clocks   **Session#D4 – Security & Scheduling**   * Xavier Vilaça and Luis Rodrigues. Accountability in Dynamic Networks * (concise) Varsha Bhat, Jaspal Singh and Sudarshan Iyengar. Secure Multiparty Construction of a Distributed Social Network * (concise) Umair Ullah Tariq and Hui Wu. Energy-Aware Scheduling of Periodic Conditional Task Graphs on MPSoCs * Sonal Kumari, Poonam Goyal, Ankit Sood, Dhruv Kumar, Sundar Balasubramaniam and Navneet Goyal. Exact, Fast and Scalable Parallel DBSCAN for Commodity Platforms   **Session#D5 – Cloud Computing**   * Shashikant Ilager and P.S.V.S Sai Prasad. Scalable MapReduce-based Fuzzy Min-Max Neural Network for Pattern Classification * Paolo Bellavista and Alessandro Zanni. Feasibility of Fog Computing Deployment based on Docker Containerization over RaspberryPi   **Session#D6 – Resources**   * Yiannis Georgiou, Emmanuel Jeannot, Adèle Villiermet and Guillaume Mercier. Topology-aware resource management for HPC applications * (concise) Hemant Tiwari, Prem Kumar and Balaji V Ramalingam. Optimized Offloading Using Local Clusters * Naveen Kumar and Anish Mathuria. Improved Write Access Control and Stronger Freshness Guarantee to Outsourced Data  ICDCN 2017 Networking Track Venue: Room No:  205 **Session#N1 – Virtualization and Edge Computing**   * Roy Friedman and David Sainz. An Architecture for SDN Based Sensor Networks * Xavier Vilaça, Luis Rodrigues, Joao Silva and Hugo Miranda. FastRank: Practical Lightweight Tolerance to Rational Behaviour in Edge Assisted Streaming * Fadi Alzhouri, Anjali Agarwal, Yan Liu and Ahmed Saleh Bataineh. Dynamic Pricing for Maximizing Cloud Revenue: A Column Generation Approach   **Session#N2 – VANETs and Intelligent Transportation Systems**   * Raj Jaiswal and Jaidhar C.D. PPRP: Predicted Position Based Routing Protocol Using Kalman Filter for Vehicular Ad-hoc Network * Chinmoy Ghorai and Indrajit Banerjee. A Novel Priority Based Exigent Data Diffusion Approach for Urban VANets * Sobin C C, Vaskar Raychoudhury, and Snehanshu Saha. An Energy-efficient and Buffer-aware Routing Protocol for Opportunistic Smart Traffic Management   **Session#N3 – Networking**   * Gewu Bu and Maria Potop-Butucaru. Total Order Reliable Convergecast in WBAN * Sisi Duan, Sangkeun Lee, Supriya Chinthavali and Mallikarjun Shankar. Best Effort Broadcast under Cascading Failures in Interdependent Networks * Kopal Dwivedi, Akash Agarwal and Preetam Kumar. SER Performance of OFDM-Based AF and DF Cooperative Networks over Asymmetric Fading Channels   **Session#N4 – Applications**   * Divya Saxena, Vaskar Raychoudhury and Christian Becker. An NDNoT based Efficient Object Searching Scheme for Smart Home using RFIDs * Ioannis Katsidimas, Sotiris Nikoletseas, Theofanis Raptis and Christoforos Raptopoulos. Efficient Algorithms for Power Maximization in the Vector Model for Wireless Energy Transfer * Yayati Gupta, Sudarshan Iyengar and Neeharika Kompala. Are We Birds of the Same Feather?   **Session#N5 – Security and Coalitions**   * Anshul Arora and Peddoju Sateesh Kumar. Minimizing Network Traffic Features for Android Mobile Malware Detection * Günter Fahrnberger. Contemporary IT Security for Military Online Collaboration Platforms * Jyotirmay Gupta, Prakash Chauhan, Madhabi Nath, Mekala Manvithasree, Sanjib K Deka and Nityananda Sarma. Coalitional Game Theory based Cooperative Spectrum Sensing in CRNs   **Session#N6 – Concise Papers**   * Divya Saxena, Vaskar Raychoudhury and Christian Becker. Implementation and Performance Evaluation of Name-based Forwarding Schemes in V-NDN * Sujata Swain and Rajdeep Niyogi. A Planning Based Approach For Context Aware Services Composition in Pervasive Systems * Suman Bhattacharjee, Siuli Roy, Sukumar Ghosh and Sipra Dasbit. Exploring the Impact of Connectivity on Dissemination of Post Disaster Situational Data over DTN * Saja Al-Mamoori, Subir Bandyopadhyay and Arunita Jaekel. Disaster-aware WDM Network Design for Data Centres  International Workshop on Distributed Platforms and Technologies for Financial Services (DiPTeFS)Jan 7th, 2017 Venue: Room No:  215 (CAT Lab) **Session#1**   * **9:00AM to 10:00AM**Opening Address and Invited Talk, Blockchain Implementation in India – a report from the trenches, Deloitte Team * **10:00AM to 10:40AM**Invited Talk, Applications of Blockchain and Distributed Ledger Technology in Banking, ICICI Team * **10:40AM to 11:10AM**Technical Paper, Reinforcing Immutability of Permissioned Blockchains with Keyless Signatures Infrastructure, Harika Narumanchi and Nitesh Emmadi   **Tea Break (11:10AM to 11:30AM)**  **Session#2**   * **11:30AM to 12:10PM**Invited Talk, M-Kavach - Mobile Device Security Solution, CDAC Hyderabad * **12:10PM to 12:35PM** Work in Progress Paper, Framework and System for Traditional Consensus in Blockchain, R Sumesh Manjunath, Shivraj V L and Rajan M A * **12:35PM to 1:00PM** Work in Progress Paper, A Review of Security and Privacy schemes for Blockchain, Rajan M A, Meena Singh Dilip Thakur, Nitesh Emmadi, Lakshmi Padmaja Maddali and Vigneswaran R    International Workshop on Algorithms & Architectures for Distributed Data Analytics (AADDA)Jan 4th, 2017 Venue: Room No:  212 **Keynote Talk**   * **2:00PM to 3:00PM** Computing on Genome Scale Data, Naveen Shivadansan, TCS Research   **Workshop Papers**   * + **3:00PM to 3:30PM**Practical Multi-threaded Graph Coloring Algorithms for Shared Memory Architecture by Nandini Singhal, Sathya Peri and Subrahmanyam Kalyanasundaram   + **3:30PM to 4:00PM**Balancing Maximal Independent Sets using Hadoop by Ashish Bhuker, Rajiv Misra and Bhanu Pratap Singh   + **4:00PM to 4:30PM** Work in Progress Paper, Achieving greater Concurrency in Transaction Memory Systems using Object Semantics by Sathya Peri, Ajay Singh, Archit Somani   + **4:30PM to 5:00PM** Work in Progress Paper, Starvation Freedom in Transactional Memory Systems by Ved Prakash Chaudhary, Raj Kripal Danday, Hima Varsha Dureddy, Sandeep Kulkarni, Sweta Kumari, and Sathya Peri  International Workshop on Computing and Networking for Internet of Things (ComNet-IoT)Jan 4th, 2017 Venue: Room No:  205 **Session#1**   * **9:00AM to 10:30AM** Keynote Speech by Prof. U.B. Desai, IIT Hyderabad   **Tea Break (10:30AM to 11:00AM)**  **Session#2**   * + **11:00AM to 11:20AM** Performance Assessment of an Extremely Mobile Infrastructure Network over the Oceans: Dhanesh Raj, Vickram Parthasarathy, Sethuraman N Rao and Maneesha Vinodini Ramesh   + **11:20AM to 11:40AM** A Resilient Self-Organizing Offshore Communication Network for Fishermen: Jennath H S, Nandesh Nair, Sethuraman N Rao, Sujatha Narayanan, Dhanesh Raj and Dilip Krishnaswamy   + **11:40AM to 12:00PM** On Diameter Based Community Structure Identification in Networks: Arnab Kumar Ghoshal and Nabanita Das   + **12:00PM to 12:20PM** Towards Smart City: Sensing Air Quality in City based on Opportunistic Crowd-sensing: Joy Dutta, Chandreyee Chowdhury, Sarbani Roy, Asif Iqbal Middya and Firoz Gazi   + **12:20PM to 12:40PM** Energy Aware Cluster Head Load Balancing Scheme for Heterogeneous Wireless Ad Hoc Network: Rupam Some, Tuhina Samanta and Indrajit Banerjee   + **12:40PM to 1:00PM** A Robust and Secure Authenticated Privacy-Preserving Attribute Matchmaking Protocol for Mobile Social Networks: Mrudula Sarvabhatla and Chandra Sekhar   **Lunch (1:00PM to 2:00PM)**  **Session#3**   * + **2:00PM to 2:30PM** Invited talk, Prof. Laxmidhar Behera, IIT Kanpur   + **2:30PM to 3:00PM** Invited talk, Prof. P. Rajalakshmi, IIT Hyderabad   + **3:00PM to 3:30PM** Invited talk, Anantha Simha, TCS Research & Innovation   **Tea Break (3:30PM to 4:00PM)**  **Session#4**   * + **4:00PM to 5:30PM**: Panel discussion on "Humans with Humanoids OR Humans vs Humanoids"   **Panel Coordinator** - Dr. Balamurali P, TCS Research & Innovation **Panelists**- Prof. Laxmidhar Behera (IIT-K) Anuj Asokan (Tata Tele Services) Rajesh Sinha (TCS Research & Innovations)   ICDCN 2017 Doctoral Symposium  Jan 06, 2017 Venue: Room No:  215 (CAT Lab) **Opening (3:00PM to 3:05PM)**  **Invited Talk**   * **3:05PM to 3:40PM** Prof. Jean-Loup Guillaume, University of La Rochelle, France   **Session#1**   * + **3:40PM to 4:00PM** Scalable Parallel Framework for Clustering Algorithms, Sonal Kumari, BITS Pilani   + **4:00PM to 4:20PM** Load Prediction Mechanism for Layer 3 SDN Controllers, Kshira Sagar Sahoo, NIT Rourkela   + **4:20PM to 4:40PM** An Analysis of Video Transcoding in multi-core Cloud Environment, Sampa Sahoo, NIT Rourkela   **Tea Break (4:40PM to 4:50PM)**  **Session#2**   * + **4:50PM to 5:10PM** Designing DTN-based Ad-hoc Network for Post-Disaster Scenarios, Krishnandu Hazra, NIT Durgapur   + **5:10PM to 5:30PM** Renarrating Web: Facilitating Semantic Transformations based on Semantic Style Sheets, Sai Gollapudi, IIIT Hyderabad   + **5:30PM to 5:50PM** Data trustworthiness of Wireless Sensor Network in Harsh Environments for Event Detection using Data Correlation Techniques, Karthik N., NIT Surathkal   + **5:50PM to 6:10PM** Quantifying the Driver Performance in Developing Region, Munshi Yusuf Alam, NIT Durgapur   **Valedictory (6:10PM to 6:15PM)** |