

# **The Sixth International Conference on Big Data Analytics (BDA 2018), 18-21 December, 2018, NIT Warangal, India**

(Three workshops, Three keynotes, 18 research papers, Six invited talks, five tutorials)

## **Program Schedule**

### **I. 18 December 2018: Workshops (Venue: NIT Warangal)**

<Workshop Program>

### **II. 19-21 December 2018: Conference Program (Venue: NIT Warangal)**

(Three keynotes, 18 research papers, six invited talks, five tutorials)

<b>19 December 2018 (Wednesday)</b>		
08.30-09.00	Registration	
09.00-09.30	Inauguration	
09.30-10.30	Keynote 1	
10.30-11.00	TEA BREAK	
11.00-12.30	Invited Talk 1, Invited Talk 2, Paper 1	
12.30-13.30	LUNCH BREAK	
13.30-03.00	Paper 2, Paper 3, Paper 4	Tutorial 1
15.00-15.30	TEA BREAK	
15.30-17.15	Paper 5, Paper 6, Paper 7, Paper 8	Tutorial 2
<b>20 December 2018 (Thursday)</b>		
09.00-10.00	Keynote 2	
10.00 -10.30	TEA BREAK	
10.30-12.30	Invited Talk 3, Invited Talk 4, Paper 9, Paper 10, Paper 11	Tutorial 3
12.30-13.30	LUNCH	
13.30-15.15	Paper 12, Paper 13, Paper 14, Paper 15	Tutorial 4
15.15-15.30	TEA BREAK	
15.30-17.00	Panel	
17.00-18.00	Tour of NIT Warangal	Steering committee meeting (invited members only)
18.00-19.30	Cultural program	
19.30-21.00	Banquet Dinner	

<b>21 December 2018 (Friday)</b>		
09.00 - 10.00	Keynote 3	
10.00 -10.15	TEA BREAK	
10.15-12.30	Invited 5, Invited 6, Paper 16, Paper 17, Paper 18	Tutorial 5
12.30-13.30	LUNCH BREAK	
13.30-17.00	Local Tour	

<b>I. KEYNOTES</b>	
Keynote 1	“Blockchain-powered Big Data Analytics Platform” by Dr. Mukesh Mohania, IBM Australia
Keynote 2	“Fault Tolerant Data Stream Processing in Cooperation with OLTP Engine”, by Prof. Yoshiharu Ishikawa, Nagoya University, Japan,
Keynote 3	“Demystifying Blockchains: Decentralized and Fault- tolerant Storage for the Future of Big Data?”, by Prof. Divyakant Agrawal, University of California at Santa Barbara, USA
<b>II. INVITED TALKS</b>	
Invited Talk 1	“Analysis of Narcolepsy Based on Single-Channel EEG Signals”, by Prof. Yanchun Zhang, Victoria University, Australia
Invited Talk 2	“Design of the Cogno Web Observatory for Characterizing Online Social Cognition”, Prof. Srinath Srinivasa, IIT Bangalore, India
Invited Talk 3	“Humble Data Management to Big Data Analytics/Science: A Retrospective Stroll”, Prof. Sharma Chakravarthy, The University of Texas at Arlington, USA,
Invited Talk 4	“Polystore Data Management Systems for Managing Scientific Data-sets in Big Data Archives”, Prof. Subhash Bhalla, The University of Aizu, Japan
Invited Talk 5	“Fusion of Game Theory and Big Data for AI Applications”, Dr. Praveen Paruchuri, IIT Hyderabad, India.
Invited Talk 6	“Deep Neural Network Based Image Captioning”, Prof. Ravi Kothari, Ashoka University, India
<b>III. RESEARCH PAPERS</b>	
<b>Data Systems and Frameworks</b>	
Paper 1	K.T.Sridhar, M.A.Sakkeer, Shiju Andrews and Jimson Johnson. MPP SQL Query Optimization with RTCG.
Paper 2	Purnima Shah and Sanjay Chaudhary. Big Data Analytics Framework for Spatial Data
Paper 3	Sanket Mishra, Mohit Jain, B Siva Nagasasank and Chittaranjan Hota. An ingestion based analytics framework for Complex Event Processing Engine in Internet of Things
Paper 4	Vaibhav Pandey and Poonam Saini, An Energy-Efficient Greedy MapReduce Scheduler for Heterogeneous Hadoop YARN Cluster
<b>Financial Data Analysis and Data Streams</b>	
Paper 5	Rao Casturi and Rajshekhar Sunderraman. Distributed Mortgage Factor Aggregation Calculation Framework on Cloud Computing Environment
Paper 6	Narinder Punn and Sonali Agarwal. Testing Concept Drift Detection

	Technique on Data Stream
Paper 7	Sourabh Yadav and Nonita Sharma. Homogenous Ensemble of time-series Models for Indian Stock Market
Paper 8	Pulkit Mehndiratta, Mohit Gupta, Ayushi Asthana and Nishant Joshi. Improving Time Series Forecasting Using Mathematical and Deep Learning Models
<b>Web and Social Media Data</b>	
Paper 9	Shriyansh Agrawal, Lalit Sanagavarapu and Y. Raghu Reddy. Automated Credibility Assessment of Web Page Based on Genre
Paper 10	Sonu Gupta, Shelly Sachdeva, Prateek Dewan and Ponnurangam Kumaraguru CbI: Improving Credibility of User-Generated Content on Facebook
Paper 11	Shivani Batra, Shelly Sachdeva, Aayushi Bansal and Suyash Bansal. Modeling Sparse and Evolving Data
Paper 12	Keshab Nath. A Parallel Approach to Detect Communities in Evolving Networks
<b>Predictive Analytics in Healthcare and Agricultural Domains</b>	
Paper 13	Sakthi Ganesh and Asoke Talukder. Robotic Formal Methods, Artificial Intelligence, Big-data Analytics, and Knowledge Engineering in Medical Care to Reduce the Burden of Disease
Paper 14	Rashmi Priya and Dharavath Ramesh. Adaboost. RT based Soil N-P-K Prediction Model for Soil and Crop Specific Data: A Predictive Modelling Approach
<b>Machine Learning and Pattern Mining</b>	
Paper 15	Mohit Agarwal. PRISMO Priority Based Spam detection using multi objective optimization
Paper 16	Himaja D, Maruthi Padmaja T and Radha Krishna P. Oversample Based Large Scale Support Vector Machine for Online class Imbalance
Paper 17	Ashish Patel, Satyendra Singh Chouhan and Rajdeep Niyogi. Using Crowd Sourced Data for Music Mood Classification
Paper 18	Amrit Pal and Manish Kumar. Applying Big Data Intelligence for Real Time Machine Fault Prediction
<b>IV. Tutorial Talks</b>	
Tutorial 1	“AI Models and Trust”, Himanshu Gupta, IBM Research, India; DiptiKalyan Saha, IBM Research, India; Vijay Arya, IBM Research, India.
Tutorial 2	“Post facto of Cambridge Analytica- The Dawn of Social Computing”, Amitava Das, Mahindra Ecole Centrale, Hyderabad, India; Tanmoy Chakraborty, IIT Delhi, India
Tutorial 3	“Malware Detection using Machine Learning and Deep Learning”, Hemant Rathore, BITS, Pilani, Goa Campus, India; Swati Agarwal, BITS, Pilani, Goa Campus, India; Sanjay K. Sahay, BITS, Pilani, Goa Campus, India; and Mohit Sewak, BITS, Pilani, Goa Campus, India.
Tutorial 4	“Spatial Co-location Pattern Mining”, Venkata M. V. Gunturi, IIT, Ropar, Punjab, India.
Tutorial 5	“Emerging Technologies and Opportunities for Innovation in Financial Data Analytics: A Perspective”, Anirban Mondal, Ashoka University, Sonapat, Haryana, India; Atul Singh, Fidelity Management and Research, Bengaluru, India.