8th International Conference on Big Data Analytics (BDA2020)

December 15 – 18, 2020

Venue: Ashoka University,

Sonipat, India

Web site: http://bda2020.org/

Program Schedule of Workshops

December 15, 2020 (Tuesday)

Program schedule for workshop on Data Challenges in Understanding The _Urban_

December 15, 2020 (Tuesday)	
	Zoom Link
09.15-09.30	Welcome and Introduction - Prof. Girish Agrawal (Jindal School of Art & Architecture)
09.30-10.30	Big Data for Urban Resilience - Dr. Bandana Kar (Oak Ridge National Laboratory)
10.30-11.30	Open Data Resources for Energy, Emissions; Air Pollution Analysis in India - Dr. Sarath Guttikunda (Urban Emissions)
11.30- 12.30	Smart Cities, Big Data and Confusion - Prof. Dinesh Mohan (Indian Institute of Technology, Delhi)
12.30-13.30	What Does the Pandemic Tell Us About Data? - Dr. Anant Maringanti (Hyderabad Urban Lab)
12.30-13.30	Discussion and Closing Remarks - Prof. Prasad Pathak (FLAME University)

Program schedule for workshop on workshop on Public and Political Data
(Timings for the talks to be decided by Workshop Chairs)

December 15, 2020 (Tuesday)	
	Zoom Link
Talk 1	Electoral Cycles in Food Prices: Evidence from India - Aaditya Dar (Indian School of Business), Pranav Gupta and Rahul Verma
Talk 2	Facebooking for Political Likes: Preliminary Analysis of Trends in Paid Advertising on Facebook and Election Outcomes during the Bihar 2020 Assembly Elections - Neelesh Agrawal, Mohit Kumar and Basim-U-Nissa (TCPD, Ashoka University)
Talk 3	What can the Question Hour tell us about Representation in India? - Saloni Bhogale (University of Wisconsin, Madison)
Talk 4	A Methodology and Application of Pixel-level Land Cover Classification in India over Three Satellite Systems - Chahat Bansal (IIT Delhi)

8th International Conference on Big Data Analytics (BDA2020)
Main Conference Program
(Venue: Online on Zoom)

(5 keynote talks, 5 invited talks, 3 tutorials, 14 peer-reviewed research papers and a panel discussion)

December 16, 2020 (Wednesday)		
	Room 1 (Zoom Link)	Room 2 (Zoom Link)
	Main Conference	**DSANRM Workshop**
08.30-09.00	Inauguration	Link to Workshop Program Schedule (9am - 6pm)

Workshop on "Data Science for Agriculture and Natural Resource Management' DSANRM2020)" |
09.00-10.00	Keynote 1	
10.00-11.00	Keynote 2	
11.00- 11.30	BREAK	
11.30-12.30	Research Session 1	
12.30-13.30	LUNCH BREAK	
13.30-15.00	Invited Talk 1 + Research Session 2	
15.00-15.30	BREAK	
15.30-17.00	Tutorial 1	
17.00-18.30		
December 17, 2020 (Thursday)		
	Room 1 (Zoom Link)	Room 2 (Zoom Link)
09.30-10.30	Keynote 3	
10.30 -12.00	Panel Discussion	
12.00-13.30	LUNCH BREAK	
13.30-15.00	Invited Talk 3 + Research Session 4	Tutorial 3
15.00-15.30	BREAK	
15.30-17.00	Invited Talk 2 + Research Session 3	
December 18, 2020 (Friday)		
	Room 1 (Zoom Link)	Room 2 (Zoom Link)
09.00 - 10.00	Keynote 4	
10.00 -11.00	Keynote 5	
11.00-11.30	BREAK	11.30am – 1 pm: Tutorial 2
11.30-12.30	Invited Talk 4 + Research Session 5	
12.30-13.30	LUNCH BREAK	
13.30-15.00	Research Session 6	Invited Talk 5
15.00-15.30	Closing Ceremony	

KEYNOTES	
Keynote 1	"Data Mining for the Relationship Among Consciousness, AI, and Coordination", by Prof. Ouri Wolfson, University of Illinois at Chicago, USA
Keynote 2	"Data Equity Systems" by Prof. H. V. Jagdish, University of Michigan, USA
Keynote 3	"OoODE: Out of Order Execution of Database Operations" by Prof. Masaru Kitsuregawa, University of Tokyo, Japan
Keynote 4	"Knowledge-infused Learning: strategies for using knowledge with deep learning and NLP", with some applications" by Prof. Amit Sheth, University of South Carolina, USA
Keynote 5	"Taming of the Big Data: Probabilistic Counting, Frequency Estimation, and Approximate Quantiles", by Prof. Divyakant Agrawal, University of California at Santa Barbara, USA
INVITED TALKS	
Invited Talk 1	"Applying machine learning to anomaly detection in car insurance sales" by Prof. Marcin Papzycki, Systems Research Institute, Polish Academy of Sciences, Poland
Invited Talk 2	"Large-scale Image Retrieval on Everyday Scenes with Common Objects" by Praveen Rao, University of Missouri - Columbia, USA
Invited Talk 3	"Generic Key Value Extractions from Emails", by Dr. Rajeev Gupta, Principal Applied Researcher, Microsoft
Invited Talk 4	"A Comparison of Data Science Systems" by Prof. Carlos Ordonez, University of Houston, USA
Invited Talk 5	"Knowledge Graphs: Representation, Management and Applications" by Prof. Srikanta Bedathur and Raghava Mutharaju, IIT Delhi, India
TUTORIALS	
Tutorial 1	"Adversarial Collusion on the Web: State-of-the-art and Future Directions" by Dr. Tanmoy Chakraborty and Hridoy Sankar Dutta, IIIT Delhi, India
Tutorial 2	"Growing Role of Big Data and AI in Transforming Healthcare Industry" by Prof. Mayuri Mehta, Sarvajanik College of Engineering and Technology, Gujarat, India
Tutorial 3	"Next Generation Web: Technology and Services" by Prof. Asoke K Talukder, Chief Science & Technology Officer SRIT Health, SRIT India Ltd, Bangalore, India

Research Session 1: Big Data Analytics for Healthcare

- Shweta Thakur, Dhaval K. Patel, Brijesh Soni, Mehul Raval and Sanjay Chaudhary. Prediction for the Second Wave of COVID-19 in India
- Anamika Gupta, Anshuman Gupta, Vaishnavi Verma, Aayush Khattar and Devansh Sharma. Texture Feature Extraction: Impact of Variants on Performance of Machine Learning Classifiers: Study on Chest X-ray – Pneumonia Images
- Asoke Talukder, Julio Bonis Sanz and Jahnavi Samajpati. 'Precision Health': Balancing Reactive Care and Proactive Care through the Evidence Based Knowledge Graph Constructed from Real-World Electronic Health Records, Disease Trajectories, Diseasome, and Patholome

Research Session 2: Text Analytics

- Akanksha Mehndiratta and Krishna Asawa. Spectral Learning of Semantic Units in a Sentence Pair to Evaluate Semantic Textual Similarity
- Jitendra Parmar, Sanskar Soni and Satyendra Singh Chouhan. OWI: Open-world Intent Identification framework for Dialog Based System

Research Session 3: Big Data Analytics for Businesses

- Pooja Gaur, P. Krishna Reddy, M. Kumara Swamy and Anirban Mondal. A Revenue-based Product Placement Framework to Improve Diversity in Retail Businesses
- Jaiteg Singh, Amit Mittal, Ruchi Mittal, Karmjeet Singh and Varun Malik. i-Fence: A Spatio-Temporal Context-Aware Geofencing Framework for Triggering Impulse Decisions

Research Session 4: Data Warehousing

- Dr. Rajendra Kumar Roul and Dr. Jajati Keshari Sahoo. Study and Understanding the Significance of Multilayer ELM Feature Space
- Olaf Herden. Architectural Patterns for Integrating Data Lakes into Data Warehouse Architectures

Research Session 5: Text Analytics (Continued.)

- Shobhan Kumar and Arun Chauhan. Recommending Question-Answers for enriching Textbooks

Research Session 6: Machine Learning

- Animesh Kumar, Pramod Pathak and Paul Stynes. A Transfer Learning Approach to Classify the Brain Age from MRI Images
- G. Jignesh Chowdary, Narinder Singh Punn, Sanjay Kumar Sonbhadra and Sonali Agarwal. Face Mask Detection using Transfer Learning of InceptionV3 (short paper)
- Saravjeet Singh and Jaiteg Singh. Analysis of GPS trajectories mapping on shape files using spatial computing approaches (short paper)
- Shubam Yadav, Santosh Singh Rathore and Satyendra Singh Chouhan. Authorship Identification using Stylometry and Document Fingerprinting (short paper)