7th International Conference on Data Science and Engineering

Technical Program   ICDSE 2021

17—18th December 2021, IIT Patna, India. https://www.iitp.ac.in/~icdse2021/

Program Highlights	
17th December 2021 (Friday) (Venue: IIT Patna-online) Link: https://us06web.zoom.us/j/85050963508?pwd=UUMvK2hVV3N3S0ZlK1RCa3BROXV5QT09	
02:15PM--02:45PM	**Inaugural Event**
02:45PM --03:15PM	**Keynote Talk 1** **Dr. Anand Deshpande** **Chairman and Managing Director, Persistent Systems & BOG Chairman IIT Patna** **Title: How do I become a better data scientist?:Ten things I must do to be a better data scientist** **Session Chair:** Dr. Arijit Mondal , IIT patna
03:15PM --03:45PM	**Keynote Talk 2** **Prof. Hans Vandierendonck** **Professor in Communications & Information Technology Queen's University, UK** **Title: Methodologies, techniques and tools for resource-efficient machine learning** **Session Chair:** Dr. Deepak P. Queen's University, UK
03:45PM-04:0PM	**Break**

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04:00PM-05:30PM	**Technical Session** **Machine Learning and Applications (MLA)** Session chair: Dr. Bijoy A Jose, Cochin University, Kerala
18ᵗʰ December 2021 (Saturday) (Venue: IIT Patna-online) Link: https://us06web.zoom.us/j/85050963508?pwd=UUMvK2hVV3N3S0ZlK1RCa3BROXV5QT09
09:30AM –10:45AM	**Keynote Talk 3** **Prof. Ian Davidson** **University of California, Davis, USA** **Title: Towards Transparent (Fair & Explainable) Unsupervised Learning** **Session Chair: Dr. Santhosh Kumar G, CUSAT**
10:45AM –11:00AM	**Break**
11:00AM--12:30AM	**Technical Session** **Data Modeling & Semantic Engineering(DMSE)** Session chair: Dr. Deepak P, Queen's University, Belfast, UK

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Time	Session
12:30AM -- 01:0PM	**Keynote Talk 4** **Mitra Bhanu Rath** **Senior Solutions Architect - Deep Learning, NVIDIA** **Title: Deep Learning & Artificial Intelligence Solutions with NVIDIA** **Session Chair:** Dr. Somanath Tripathy, IIT Patna
1:00PM –02:00PM	**Break**
02:00PM -- 02:45PM	**Keynote Talk 5** **Siew Kei Lam** **Nanyang Technological University, Singapore** **Title: Algorithms to Devices: A Case Study on Visual SLAM** **Session Chair:** Dr. Jimson Mathew, IIT Patna
02:45PM -- 03:45PM	**Technical Session** **Data Science and Engineering(DSE)** **Session Chair:** Dr Santhosh Kumar G, Cochin University, Kerala
03:45PM-04.00PM	**Valedictory Function**

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Machine Learning and Applications(MLA)

- **Seema Safar, Babita Jose, Santhanakrishnan T.**
  An Improved Recommendation System with Aspect-Based Sentiment Analysis

- **Rajan Singh, Prashant K. Srivastava**
  Exploring Biomarker Identification and Mortality Prediction of COVID-19 Patients using ML Algorithms

- **Aakansha Gupta; Rahul Katarya**
  COVID-19 cases prediction based on LSTM and SIR model using social media

- **Satya Rajendra Singh R, Rakesh Kumar Sanodiya, Arun PV**
  Joint Geometrical and Statistical Alignment using Triplet loss for Deep Domain Adaptation

Data Modeling & Semantic Engineering (DMSE)

- **Ravi Ranjan Prasad Karn , Rakesh Kumar Sanodiya , Eswara Surya Chandaluri , S Suryavardan , L Ranajith Reddy, and Leehter Yao**
  Virtual Try-On Using Style Transfer

- **Shaheera Saba Mohd Naseem Akhter and Priti P. Rege**
  Attention Mechanism in Convolutional Recurrent Neural Network for Improving Recognition Accuracy in Printed Devanagari Text

- **Ajai John Chemmanam, Bijoy A Jose**
  Joint Learning for Multi Tasking Models

- **Rajesh Kumar, K. V. Pramod**
  A CNN Approach for Detecting Red and White Lesions in Retinal Fundus Images

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Data Science and Engineering(DSE)

- **Anagha Jose, Sandhya Harikumar**
  Predicting IMDB Movie Ratings Using RoBERTa Embeddings and Neural Networks

- **William F Godoy, Addi Malviya Thakur, Steven E Hahn**
  Domain-specific Type-safe APIs for Hierarchical Scientific Data with Modern C++

- **Devika A.K. Rakesh Kumar Sanodiya,B. R. Jose**
  Kernelized Transfer Joint Matching for Unsupervised Domain Adaptation

- **Rajesh Kumar Jha**
  Demeanour of Artificial Intelligence in Fashion Industry: Gumptious Development in a new Epoch

Joining Link Via Zoom

https://us06web.zoom.us/j/85050963508?pwd=UUMvK2hVV3N3S0ZlK1RCa3BROXV5QT09

Meeting ID: 850 5096 3508
Passcode: 607164
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