# Program Highlights

**17th December 2021 (Friday) (Venue: IIT Patna-online)**

Link: [https://us06web.zoom.us/j/85050963508?pwd=UUMvK2hVV3N3S0ZIK1RCa3BROXV5QT09](https://us06web.zoom.us/j/85050963508?pwd=UUMvK2hVV3N3S0ZIK1RCa3BROXV5QT09)

<table>
<thead>
<tr>
<th>Time</th>
<th>Event</th>
<th>Speaker/Session Chair</th>
<th>Title</th>
<th>Chair/University</th>
</tr>
</thead>
<tbody>
<tr>
<td>02:15PM-02:45PM</td>
<td><strong>Inaugural Event</strong></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>02:45PM--03:15PM</td>
<td><strong>Keynote Talk 1</strong></td>
<td>Dr. Anand Deshpande</td>
<td>How do I become a better data scientist?: Ten things I must do to be a better data scientist</td>
<td>Arijit Mondal, IIT Patna</td>
</tr>
<tr>
<td>03:15PM--03:45PM</td>
<td><strong>Keynote Talk 2</strong></td>
<td>Prof. Hans Vandierendonck</td>
<td>Methodologies, techniques and tools for resource-efficient machine learning</td>
<td>Deepak P. Queen’s University, UK</td>
</tr>
<tr>
<td>03:45PM-04:00PM</td>
<td><strong>Break</strong></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Time</td>
<td>Session</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>--------------</td>
<td>--------------------------------------------------</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>04:00PM-05:30PM</td>
<td>Technical Session</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Machine Learning and Applications (MLA)</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Session chair: Dr. Bijoy A Jose, Cochin University, Kerala</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>18th December 2021 (Saturday) (Venue: IIT Patna-online)</td>
<td>Link: <a href="https://us06web.zoom.us/j/85050963508?pwd=UUMvK2hVV3N3S0ZlK1RCa3BROXV5QT09">https://us06web.zoom.us/j/85050963508?pwd=UUMvK2hVV3N3S0ZlK1RCa3BROXV5QT09</a></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>09:30AM-10:45AM</td>
<td>Keynote Talk 3</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Prof. Ian Davidson</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>University of California, Davis, USA</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Title: Towards Transparent (Fair &amp; Explainable)</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Unsupervised Learning</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Session Chair: Dr. Santhosh Kumar G, CUSAT</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>10:45AM-11:00AM</td>
<td>Break</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>11:00AM-12:30AM</td>
<td>Technical Session</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Data Modeling &amp; Semantic Engineering (DMSE)</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Session chair: Dr. Deepak P, Queen’s University, Belfast, UK</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
### 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

### 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

### Technical Session

**Data Science and Engineering (DSE)**  

**Session Chair:** Dr Santhosh Kumar G, Cochin University, Kerala

### Valedictory Function

**03:45PM-04.00PM**
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
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=UUMvK2hVV3N350ZIK1RCa3BROXV5QT09

Meeting ID: **850 5096 3508**
Passcode: 607164
One tap mobile
+13126266799,,85050963508#,,,*607164# US (Chicago)
+13462487799,,850