Workshop on Applications of Artificial Intelligence and Machine Learning

Report of Contributions

Contribution ID: **1** Type: **not specified**

Welcome Address

Thursday 10 November 2022 10:00 (5 minutes)

Presenter: Prof. SAHOO, Raghunath (Indian Institute of Technology Indore (IN))

Contribution ID: 2　　　　　　　　　　　　　　　Type: **not specified**

Inaugural Address

Thursday 10 November 2022 10:05 (10 minutes)

Presenter:　Prof. JOSHI, Suhas S. (Director, Indian Institute of Technology Indore (IN))

Contribution ID: **3** Type: **not specified**

Inaugural Address

Presenter: Prof. SRIVASTAVA, Abhishek (Indian Institute of Technology Indore (IN))

Contribution ID: **7**   Type: **not specified**

Precision Cosmology via Machine Learning

Thursday 10 November 2022 10:15 (45 minutes)

Presenter: Dr MAJUMDAR, Suman

Session Classification: Session-I

Contribution ID: **8**   Type: **not specified**

Quantum Machine Learning for High Energy Physics

Thursday 10 November 2022 11:15 (20 minutes)

Presenter: MUSTAFA, Hasan

Session Classification: Session-I

Contribution ID: **9**   Type: **not specified**

Prediction for impact parameter and transverse spherocity in heavy-ion collisions at the LHC

Thursday 10 November 2022 11:35 (20 minutes)

Presenter: MALLICK, Neelkamal

Session Classification: Session-I

Contribution ID: **10** Type: **not specified**

A deep neural network based estimator for elliptic flow in heavy-ion collisions

Thursday 10 November 2022 11:55 (20 minutes)

Presenter: PRASAD, Suraj

Session Classification: Session-I

Contribution ID: **11** Type: **not specified**

Polarisability of Metal clusters using Artificial Neural Network

Thursday 10 November 2022 12:15 (20 minutes)

Presenter: PAHWA, Prerna

Session Classification: Session-I

Contribution ID: **12**   Type: **not specified**

Application of AI/ML in beyond 5G Communications

Thursday 10 November 2022 14:30 (45 minutes)

Presenter: Prof. BHATIA, Vimal

Session Classification: Session-II

Contribution ID: **13**   Type: **not specified**

Design, Implementation and Benchmarking of mixed-signal modulation classification using Deep Learning & Zynq UltraScale+ MPSoC

Thursday 10 November 2022 15:35 (20 minutes)

Presenter: CHAVAKULA, Subhasri

Session Classification: Session-II

Contribution ID: 14 Type: **not specified**

Discussion Session

Thursday 10 November 2022 12:35 (25 minutes)

Session Classification: Session-I

Contribution ID: 15   Type: **not specified**

Explainable AI in Space Weather Predictions

Thursday 10 November 2022 15:15 (20 minutes)

Presenter: RAJU, Hemapriya

Session Classification: Session-II

Contribution ID: 16   Type: **not specified**

Human Search and Rescue Mission using AI assisted UAV

Presenter: SHEKHAR, Kumar Sheshank

Session Classification: Session-II

Contribution ID: **17**

Type: **not specified**

Ionosphere estimation and Space Weather prediction using Machine Learning

Presenter: JAGNE, Mohit

Session Classification: Session-II

Contribution ID: 18   Type: **not specified**

Weakly Supervised Crowd Counting with Improved Generalizability using Vision Transformer

Presenter: SINGH SAVNER, Siddharth

Session Classification: Session-II

Contribution ID: **19**   Type: **not specified**

Human Search and Rescue Mission using AI assisted UAV

Thursday 10 November 2022 16:15 (20 minutes)

Presenter: SHEKHAR, Kumar Sheshank

Session Classification: Session-III

Contribution ID: **20**　　　　　　　　　　　　　　　　　　Type: **not specified**

Ionosphere estimation and Space Weather prediction using Machine Learning

Thursday 10 November 2022 16:35 (20 minutes)

Presenter:　JAGNE, Mohit

Session Classification:　Session-III

Contribution ID: **21**   Type: **not specified**

Weakly Supervised Crowd Counting with Improved Generalizability using Vision Transformer

Thursday 10 November 2022 16:55 (20 minutes)

Presenter: SINGH SAVNER, Siddharth

Session Classification: Session-III

Contribution ID: **22** Type: **not specified**

Discussion and Closing Session

Presenter: Prof. SAHOO, Raghunath (Indian Institute of Technology Indore (IN))

Session Classification: Session-III