



Workshop on Applications of Data Science in Astrophysics and Gravitational Wave Research (DSAP- 2019)

November 1-3, 2019

Indian Institute of Information Technology Allahabad
Deoghat, Jhalwa, Allahabad 211015, Uttar Pradesh, India

Speakers

Prof. Ajit Kembhavi (Ex-Director IUCAA, Pune)*
 Prof. Bala Iyer (ICTS-TIFR, Bangalore)
 Dr. Anand Sengupta (IIT Gandhinagar)
 Dr. Anirban DasGupta (IIT Gandhinagar)
 Dr. Anupreet More (IUCAA, Pune)
 Dr. Shasvath Kapadia (ICTS-TIFR, Bangalore)
 Prof. Patrick Dasgupta (University of Delhi)
 Prof. Tarun Sauradeep (IUCAA, Pune)*
 Prof. Sudip Sanyal (BML Munjal University)
 Prof. R. K. Nayak (IISER, Kolkata)
 Dr. Sanjit Mitra (IUCAA, Pune)
 Prof. Sekhar Varma (IIIT Allahabad)
 Dr. Sonali Agarwal (IIIT Allahabad)
 Dr. Shantanu Desai (IIT Hyderabad)*
 Dr. Pavan Chakrabarty (IIIT Allahabad)
 Dr. Krishna Pratap Singh (IIIT Allahabad)
 Dr. Manish Kumar (IIIT Allahabad)
 [*to be confirmed]

Organizing chairs

Dr. Pavan Chakraborty (Convener)
 Dr. Srijit Bhattacharjee (Co-convener)
 Dr. Sonali Agarwal (Coordinator)

Technical Committee

Dr. Pavan Chakraborty (IIIT Allahabad)
 Dr. Manish Kumar (IIIT Allahabad)
 Dr. K. P. Singh (IIIT Allahabad)
 Dr. Mohd. Javed (IIIT Allahabad)
 Dr. Satish Kumar Singh (IIIT Allahabad)
 Dr. Pritish Varadwaj (IIIT Allahabad)
 Dr. Sitangshu Bhattacharya (IIIT Allahabad)

Advisory Committee

Prof. J. V. Narlikar (Ex-Director, IUCAA, Pune)
 Prof. A. Kembhavi (Ex-Director, IUCAA, Pune)
 Prof. P. Nagabhushan (Director, IIIT Allahabad)
 Prof. Pinaki Majumdar (Director, HRI, Prayagraj)
 Prof. Tarun Souradeep (IUCAA, Pune)
 Prof. Biswarup Mukhopadhyay (HRI, Prayagraj)
 Prof. Prasenjeet Sen (HRI, Prayagraj)

DSAP - 2019

The Workshop on Applications of Data Science in Astrophysics and Gravitational Wave Research (DSAP) will be held at Indian Institute of Information Technology Allahabad, Uttar Pradesh, India, between November 01-03, 2019. The main goal of this workshop is to point out research areas where the expertise from both Computer Science and Astrophysics communities is inevitably required. This workshop will provide experience in utilization of extremely large astronomical data for Big-Data and Machine Learning (ML) research. A hands-on experience on the cutting edge research on data science and gravitational wave will be provided to the young scientists and engineers who are going to play a key role in India's endeavour of creating a world class research base in Data Science, Astrophysics and allied areas through lectures and demonstrations. In this workshop researchers and students will get an exposure to the Laser Interferometer Gravitational-Wave Observatory (LIGO)-INDIA project and its worldwide community, which will encourage them to unravel the secrets of the Universe.

Topics in DSAP- 2019

- Data Science
- Big Data Analytics
- Machine Learning Techniques
- General Relativity & Astrophysics
- Gravitational Wave Astronomy
- Observational Astrophysics and Data Science
- Data Science applied to GW Research
- Using and analyzing LIGO data
- LIGO's impact on Science and Technology

Registration Fees

Category	Indian	Abroad
	(INR)	(USD)
Research Scholars/ Student	2500/. + 18% (GST)	200/. + 18% (GST)
Faculty Members	5000/. + 18% (GST)	300/. + 18% (GST)
Industry Person	7500/. + 18% (GST)	400/. + 18% (GST)

We invite posters from the participants for presentation in the workshop

Important Info

Website: dsap.iिता.ac.in

Registration opens: 1st August, 2019

Last date of Registration: 25 Sep, 2019

