

**Title:**

Advanced Data Analytics and Applications

**Abstract:**

Data analytics is a process of extracting a useful conclusion from an available set of variables with the objective to design an intelligent unbiased, fast and robust decision-making system. It is also referred as data mining or data analysis. Data analytics involves several processing steps, including assembling, organizing, inspecting, cleaning, transforming, and modeling of data. At present, data analytics is playing a significant role in every aspect of life, including quality monitoring of air, food, and beverage, health, agriculture, safety, security, business, social life, and science and engineering. Due to the enormous amount and verities of data in diverse applications, a persistent development of data analytics is essential presently. The objective of the present workshop is to offer a forum for the scientist, researchers, practitioners and, developers to share their research experiences and thoughts with the current advancement of data analytics in different applications.

**Scope and Topics:**

The present workshop invites researchers to submit their original research related to current advancement in data analytics and its applications. The workshop covers a broad range of topics, including but not limited to:

- ❖ Data assimilation
- ❖ Missing value imputation
- ❖ Denoising
- ❖ Outlier detection and removal
- ❖ Feature extraction and selection
- ❖ Classification and clustering
- ❖ Simulation, modeling, and optimization
- ❖ Reliability analysis
- ❖ Analytics in health care
- ❖ Agricultural data analytics
- ❖ Analytics in security and safety
- ❖ Financial data analytics
- ❖ Industrial data analytics
- ❖ Data analytics in security and safety
- ❖ Other advancement in data analytics and applications.

**Program Committee Chairs:**

**Sunil Kr. Jha**, Nanjing University of Information Science and Technology, Nanjing, China,  
[002891@nuist.edu.cn](mailto:002891@nuist.edu.cn)

Sunil Kr. Jha received B.Sc. and M.Sc. degrees in Physics from Purvanchal University, India, in 2003 and 2005, respectively, and Ph.D. degree in Physics from Banaras Hindu University, India, in 2011. From 2012 to 2014, he was a Postdoctoral researcher at Kyushu University, Japan and

Hanyang University, Korea. He worked as Assistant Professor at University of Information Science and Technology, Macedonia and University of Information Technology and Management, Poland from 2014 to 2017. Currently, he is working as Associate Professor at School of Computer and Software, Nanjing University of Information Science and Technology, Nanjing, China. He has published 45 research papers in the journal of repute and international conferences. He served as program committee member of more than 15 international conferences. His research interests include sensors, odor analysis, data mining and pattern recognition, renewable energy, visualization, and animation, etc.

**Rafal Niemiec**, University of Information Technology and Management, Poland  
[rniemiec@wsiz.rzeszow.pl](mailto:rniemiec@wsiz.rzeszow.pl)

Rafał Niemiec is M.Sc. in Engineering. He has several years of industrial working experience. Currently, he is working at Chair of Expert Systems and Artificial Intelligence, Faculty of Applied Computer Science, UITM Rzeszów, Poland. He has published several research papers. His main research interests include artificial intelligence, pattern recognition, and data mining.

**Srikant Ojha**, Sharda University, India  
[shrikant.ojha@gmail.com](mailto:shrikant.ojha@gmail.com)

Srikant Ojha received Ph.D. from Banaras Hindu University, India. He worked more than 25 years in defense research and development organization (DRDO), India. He was the former coordinator and director of DRDO, India. Currently, he is working as a Professor at Research and Technology Development Centre, Sharda University, India. He has published several research papers and books.

### **Program Committee Members:**

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Aman Kumar Singh, Institute of Science, Banaras Hindu University, India

Ehsan Elahi, Nanjing University of Information Science and Technology, China

Sibghat Ullah, Beijing University of Posts and Telecommunications, Beijing, China