

Faculty Development Programme
on
“Application of Data
Science and Analytics”

School of Computer Science and Engineering
XIM University Bhubaneswar, India
December 13 - 17 2021

Eminent Speakers

Dr. Arun Krishnan, Founder and CEO, nFactorial Analytical Sciences, India

Dr. Arun Krishnan is the CEO and Founder of nFactorial Analytical Sciences. Dr. Krishnan got his Ph.D in Advanced Process Control (Chemical Engineering) from the Univ. of South Carolina in 1998 and an executive MBA from the Indian School of Business, Hyderabad . He spent a large part of his time in academia in such diverse fields as high performance and distributed computing, bioinformatics and computational biology, in Singapore and Japan. Dr. Krishnan was an Adjunct Assistant Professor in the Computer Engineering Department in National University of Singapore and an Assistant Professor in Keio University, Japan. Dr. Krishnan worked with Monsanto India since his return to India in 2008, before starting nFactorial Analytical Sciences.



Prof. Chitta Baral, Arizona State University, USA

Prof. Chitta Baral currently Professor in School of Computing and AI, Arizona State University, USA. Prior to this Prof. Baral worked in University of Texas at El Paso. His research interests lies on Bioinformatics Knowledge representation, reasoning and declarative problem solving, systematic approach to designing and analysing autonomous agents, etc. He has 400+ research publications in various reputed journals and conferences with 9000+ citation. He is also an adviser of the school of computer science and engineering, XIM university and contributed to various areas of the school.



Prof. Manoranjan Pal, ISI Kolkata, India

Prof. Manoranjan Pal is former professor in Economic Research Unit, Indian Statistical Institute (ISI), Kolkata. He also worked as Member Secretary, Board of Directors, International Statistical Education Centre (ISEC), Kolkata, for more than 10 years. His research interest lies in the area of Poverty, Inequality and Growth, Gender Bias, Empowerment of Women, Frontier Production/Cost Functions, etc. He has published more than 130 articles in various reputed journals and conferences.



Dr. Partha Pratim Roy, IIT Roorkee, India

Dr. Partha Pratim Roy is Assistant Professor in the department of computer science, IIT Roorkee. Dr. Roy has been working extensively in Document Image Analysis, especially recognition of handwritten text of Indic scripts. Dr. Roy's work on Indian language technology is a contribution of national importance. He has developed a novel cross-language platform to improve the recognition performance of low-resource Indic scripts by leveraging available datasets from other scripts. His work has made a powerful impact on the Indian document analysis research community. Dr. Roy has made important theoretical contributions in Pattern Recognition and Image Analysis. To help hearing and speech impaired person, Dr. Roy has developed a robust Sign Language Recognition (SLR) system. Dr. Roy is also carrying out research in cognitive engineering with the help of EEG signals. He has proposed novel authentication system for mobile device users using EEG signals. His work on neuromarketing improves user experience by automatic feedback system. He has published more than 250 articles in various reputed venue with 4300+ citation.



Prof. Petia Radeva, University of Barcelona, Spain

Prof. Petia Radeva is a Full professor at the Universitat de Barcelona (UB), Head of the Consolidated Research Group “Computer Vision and Machine Learning” at the University of Barcelona (CVMLUB) at UB and Senior researcher in Computer Vision Center. She was PI of UB in 7 European, 3 international and more than 25 national projects devoted to applying Computer Vision and Machine learning for real problems like food intake monitoring. She is an Associate editor of Pattern Recognition journal and International Journal of Visual Communication and Image Representation. She is a Research Manager of the State Agency of Research (Agencia Estatal de Investigación, AEI) of the Ministry of Science and Innovation of Spain. Petia Radeva belongs to the top 2% of the World ranking of scientists with the major impact in the field of TIC according to the citations indicators of the popular ranking of Stanford. Currently, she is also a member of several reputed international organizations. She published 570+ articles in various reputed journals and conferences with 9300+ citations.



Dr. Preslav Nakov, Qatar Computing Research Institute, Qatar

Dr. Preslav Nakov is a Principal Scientist at the Qatar Computing Research Institute (QCRI), HBKU, where he leads the Tanbih mega-project (developed in collaboration with MIT), which aims to limit the effect of "fake news", propaganda and media bias by making users aware of what they are reading, thus promoting media literacy and critical thinking. Dr. Preslav Nakov is President of ACL SIGLEX, Secretary of ACL SIGSLAV, and a member of the EACL advisory board. He is also member of the editorial board of a number of journals including Computational Linguistics, TACL, IEEE TASL, CS&L, NLE, AI Communications, and Frontiers in AI. He published 250+ research papers, and he was named among the top 2% of the world's most cited in the career achievement category, part of a global list compiled by Stanford University. Dr. Nakov's research was featured by over 100 news outlets, including Forbes, Boston Globe, Aljazeera, DefenseOne, Business Insider, MIT Technology Review, Science Daily, Popular Science, Fast Company, The Register, WIRED, and Engadget, among others.



Prof. Rajiv Bhutani, University of California, Berkeley

Rajiv Bhutani did his Masters in Financial Engineering from University of California, Berkeley and his MBA from IIM Lucknow. He has deep experience in financial markets, having worked in multiple institutions, across Asia and North America as a derivatives trader and a portfolio manager. He is an expert in financial modelling, derivatives, portfolios, and mutual funds. Currently, he teaches Finance and Analytics in management schools, imparts training to working professionals and is engaged in research. His other interests are India's Foreign Policy and US politics.



Mr. Sohom Ghosh, Data Scientist at AI, CoE - Fidelity Investments, India

Sohom Ghosh is a Data Scientist at the Artificial Intelligence, Centre of Excellence of Fidelity Investments. He is currently working on Applications of Natural Language Processing in FinTech. In addition to being the co-author of the books “Natural Language Processing Fundamentals” and “The Natural Language Processing Worksho”, he has several publications in international venues of repute. Sohom is a Computer Science Engineer and holds a Master's Degree in Software Systems (with specialization in Data Analytics) from BITS Pilani, India.



Prof. Sudarsan Padhy, Institute of Mathematics and Application (IMA), India

Dr. Sudarsan Padhy was the Director of the Institute of Mathematics and Applications, Bhubaneswar and worked as an emeritus professor of computer science and engineering, IIIT, Bhubaneswar after his retirement in 2010, as the professor of Mathematics at the Post- Graduate Department of Mathematics, Utkal University where he worked as lecturer, reader, and professor for 36 years. He has supervised 17 Ph.D.'s in Mathematics, Computer Science, and Financial Economics, published five books, and over sixty research papers in International Journals (many of which include SCI Journals) and 30 others in National level journals and referred conference proceedings. His areas of research are Machine Learning, Parallel Algorithms, Computational Finance, Computational Biology, Optimization, Numerical Weather Prediction, Computational Fluid Dynamics, and Finite Difference and Finite Element Methods for solving partial differential equations. He has delivered invited talks in several National and International Conferences of Mathematics and Computer Science. He was the President of Orissa Mathematical Society, President of Orissa Information Technology Society, Regional coordinator of Indian National Mathematical Olympiad, and Chief editor of Journal of Orissa Mathematical Society.



Dr. Sudip Kumar Naskar, Jadavpur University, India

Dr. Sudip Kumar Naskar received the bachelor's, masters and Ph.D. degrees in computer science and engineering from Jadavpur University, India, in 2000, 2002, and 2009, respectively. He is currently an Associate Professor with the Department of Computer Science and Engineering, Jadavpur University, Kolkata, India. Earlier, he briefly served as an Assistant Professor of Computer and System Sciences at Visva-Bharati University, Santiniketan, India, and as a Lecturer in the Information Technology Department, Bengal Engineering and Science University (presently Indian Institute of Engineering Science and Technology), Shibpur, India. He was a Postdoctoral Researcher with the Machine Translation Research Group, CNGL, National Centre for Language Technology, School of Computing, Dublin City University, Dublin, Ireland, for more than four years. His research interests include all aspects of natural language processing. Prof. Naskar is also a Young Faculty Research Fellow of the Visvesvaraya Ph.D. Scheme for Electronics and IT, Digital India Corporation (formerly Media Lab Asia), MeitY, Government of India. He has published 150+ articles in various reputed venue.

