

JAYPEE UNIVERSITY OF INFORMATION TECHNOLOGY

(Established by H.P. State Legislature vide Act No. 14 of 2002)

Prof. Ram Bilas Pachauri

(Electrical Engineering Department, IIT Indore, Madhya Pradesh, India)

**“Multivariate signal processing and machine learning for computer aided
medical diagnosis”**

May 17, 2023

JAYPEE UNIVERSITY OF INFORMATION TECHNOLOGY
(JUIT), WAKNAGHAT, INDIA

3RD INTERNATIONAL CONFERENCE ON EMERGENT
CONVERGING TECHNOLOGIES AND BIOMEDICAL SYSTEMS
(ETBS-2023)

DEPARTMENT OF ECE AND DEPARTMENT OF CSE&IT,
IN COLLABORATION WITH DST IHUB - AWADH & INDIAN
INSTITUTE OF TECHNOLOGY (IIT) ROPAR, INDIA

KEYNOTE SPEAKER



Prof. Ram Bilas Pachauri
Electrical Engineering Department,
IIT Indore, Madhya Pradesh, India.

Date: May 17, 2023, Time: 10:30 AM - 11:30 AM
Venue: CL-10 (<http://meet.google.com/drv-qkpb-kvy>)
Topic: Multivariate signal processing and machine learning for computer-
aided medical diagnosis

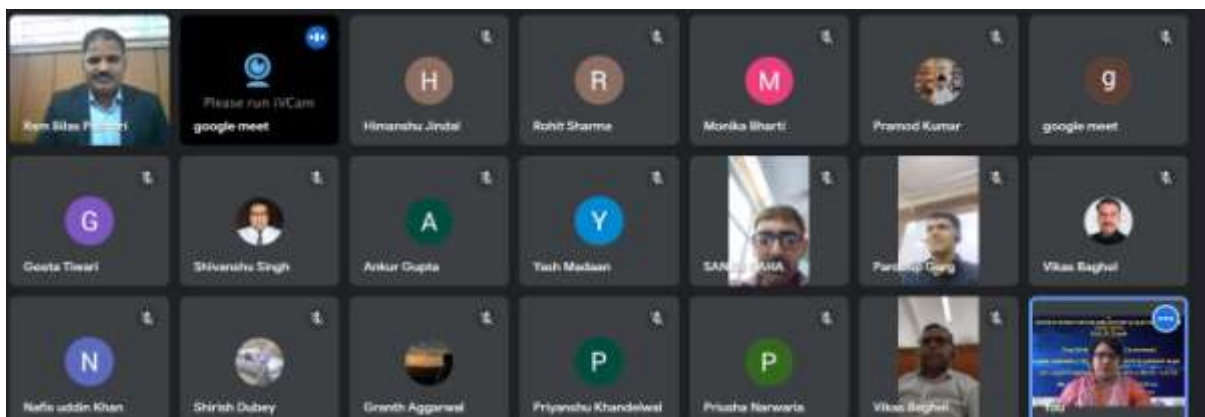


Ram Bilas Pachori received the B.E. degree with honours in Electronics and Communication Engineering from Rajiv Gandhi Technological University, Bhopal, India in 2001, the

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M.Tech. and Ph.D. degrees in Electrical Engineering from IIT Kanpur, India in 2003 and 2008, respectively. He worked as a Post-Doctoral Fellow at Charles Delaunay Institute, University of Technology of Troyes, France during 2007-2008. He served as an Assistant Professor at Communication Research Center, International Institute of Information Technology, Hyderabad, India during 2008-2009. He served as an Assistant Professor at Department of Electrical Engineering, IIT Indore, India during 2009-2013. He worked as an Associate Professor at Department of Electrical Engineering, IIT Indore during 2013-2017 where presently he has been working as a Professor since 2017. Currently, he is also associated with Center for Advanced Electronics at IIT Indore. He was a Visiting Professor at Neural Dynamics of Visual Cognition Lab, Free University of Berlin, Germany during July-September, 2022. He has served as a Visiting Professor at School of Medicine, Faculty of Health and Medical Sciences, Taylor's University, Malaysia during 2018-2019. Previously, he has worked as a Visiting Scholar at Intelligent Systems Research Center, Ulster University, Londonderry, UK during December 2014. His research interests are in the areas of Signal and Image Processing, Biomedical Signal Processing, Nonstationary Signal Processing, Speech Signal Processing, Brain-Computer Interfacing, Machine Learning, and Artificial Intelligence & Internet of Things in Healthcare. He is an Associate Editor of Electronics Letters, IEEE Transactions on Neural Systems and Rehabilitation Engineering, Biomedical Signal Processing and Control and an Editor of IETE Technical Review journal.



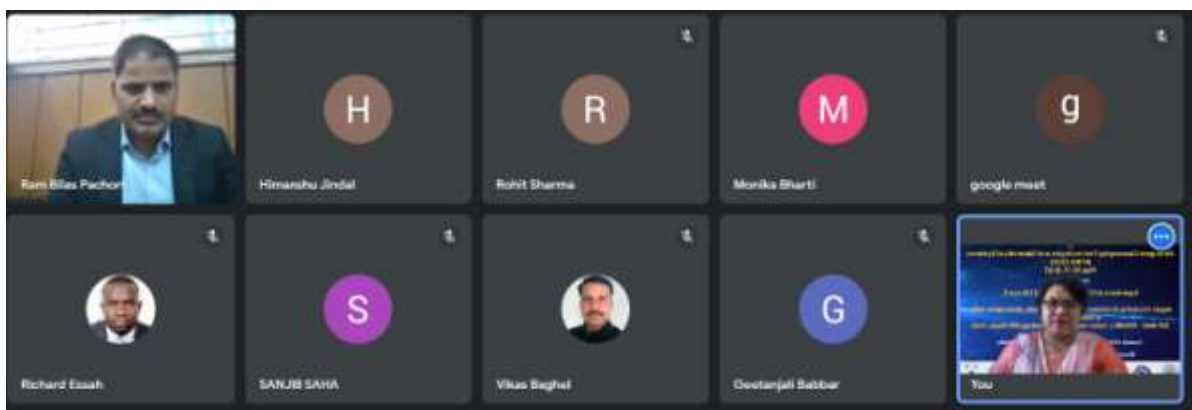
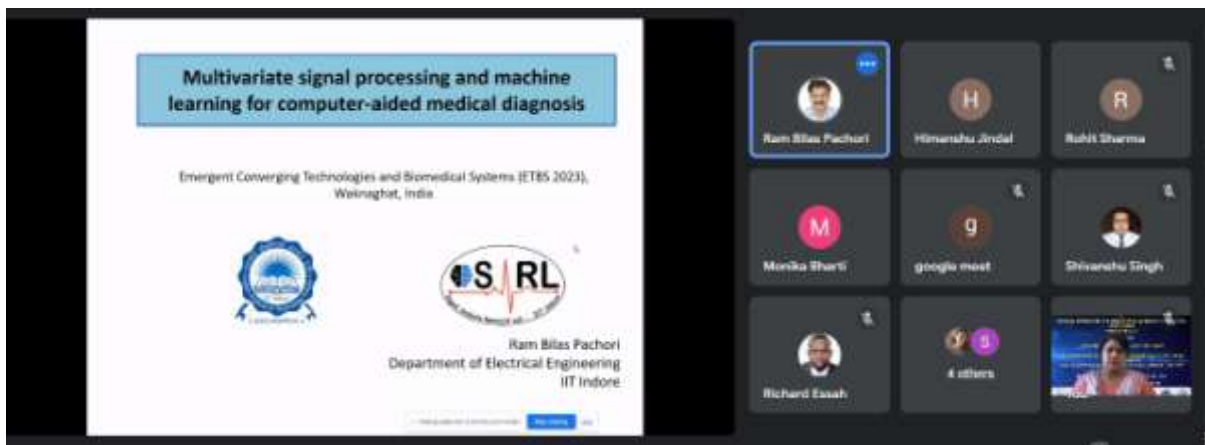
He is a senior member of IEEE and a Fellow of IETE, IEI, and IET. He has served as member of review boards for more than 100 scientific journals. He has also served in the scientific committees of various national and international conferences. He has delivered more than 275 talks and lectures in conferences, workshops, short term courses, and academic events organized by various institutes. He has been ranked #20 in India among top scientists for 2023 in the field of Computer Science by Research.com website (March, 2023).

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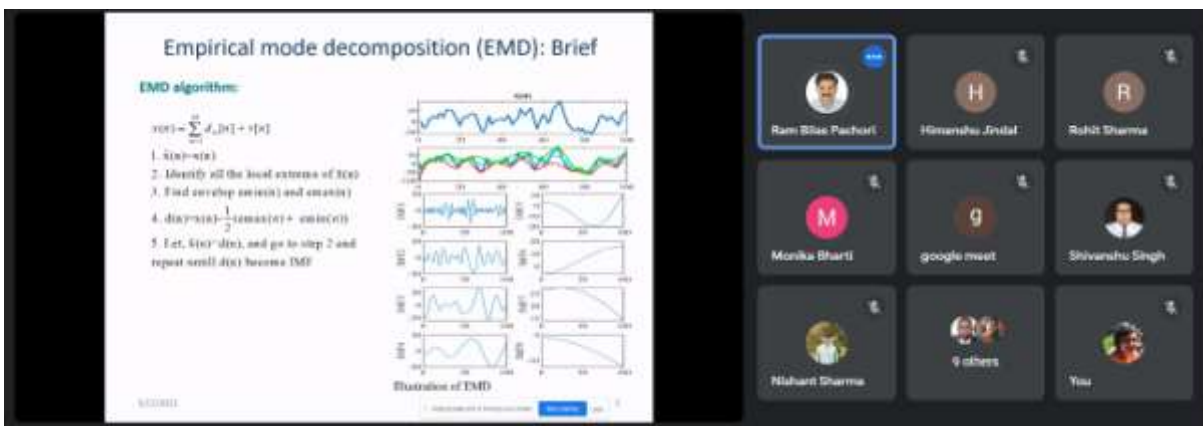
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He has been listed in the world's top 2 % scientists in the study carried out at Stanford University, USA (October, 2020, October, 2021, and October, 2022). He has received several awards including Achievement Award (IICAI conference, 2011), Best Paper Award (ICHIT conference, 2012), Excellent Grade in the Review of Sponsored Project (DST, 2014), Best Research Paper Awards (IIT Indore, 2015 & 2016), Premium Awards for Best Papers (IET Science, Measurement & Technology journal, 2019 & 2020), IETE Prof. SVC Aiya Memorial Award (2021), and Best Paper Award (DSPA Conference, 2022). He has supervised 18 Ph.D., 26 M.Tech., and 49 B.Tech. students for their theses and projects (12 Ph.D., 01 M.Tech., 01 M.S. (by Research), 05 B.Tech. under progress). He has 294 publications which include journal papers (181), conference papers (78), books (10), and book chapters (25). He has also eight patents: 01 Australian patent (granted), 02 Indian patents (published), and 05 Indian patents (filed). His publications have been cited approximately 14,000 times with h-index of 64 according to Google Scholar. He has worked on various research projects with funding support from SERB, DST, DBT, CSIR, and ICMR.



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He delivered a keynote speech to the audience on **May 17, 2023** at 10:30 AM to more than 25 participants. Participants carefully listened to his address and also came forward with their queries and discussions.

**Coordinators** : Prof. Shruti Jain, Dr. Vikas Baghel, Dr. Pardeep Garg, Dr. Himanshu Jindal, Dr. Sunil Datt Sharma.