



An International Workshop on

Wavelets and its Applications: Image Processing, Data Science and PDEs

Organised by Department of Mathematics, Manav Rachna University in Collaboration with Department of Mathematics, IIT Indore

December 06 to December 10, 2021

Workshop Schedule

Webpage: <https://manavrachna.edu.in/international-workshop>

Day	Session 1	Session 2	Session 3
December 06 (Monday)	Inauguration (Time: 9:30AM-10:00AM)	<u>Prof. Ram Bilas Pachori</u> IIT Indore <i>Title: Wavelet Transform Fundamentals with Signal Processing Applications</i> (Time: 10:00AM-11:00AM)	<u>Prof. Hans Georg Feichtinger</u> University of Vienna, Austria <i>Title: An axiomatic approach to mild distributions</i> (Time: 3:30PM-4:30PM)
December 07 (Tuesday)	<u>Prof. Bin Han</u> University of Alberta, Canada <i>Title: Wavelet methods for numerical PDEs and data science</i> (Time: 8:30AM-9:30AM)	<u>Prof. Khalil Ahmed</u> Jamia Millia Islamia University, New Delhi <i>Title: Applications of Wavelets: Signal & Image Processing</i> (Time: 11:15AM-12:15PM)	<u>Prof. Peter Massopust</u> Technische Universität München, Germany <i>Title: Introduction to Wavelets-I</i> (Time: 2:30PM-3:30PM)
December 08 (Wednesday)	<u>Dr. Ram Jiwari</u> IIT Roorkee <i>Title: Solution Study of Differential Equations using Wavelets</i> (Time: 9:00AM-10:00AM)	<u>Dr. Niraj Kumar Shukla</u> IIT Indore <i>Title: Multiscale Transforms & its Applications</i> (Time: 11:15AM-12:15PM)	<u>Prof. Peter Massopust</u> Technische Universität München, Germany <i>Title: Introduction to Wavelets-II</i> (Time: 2:30PM-3:30PM)
December 09 (Thursday)	<u>Dr. Ratikanta Behera</u> University of Central Florida, USA <i>Title: An Adaptive wavelet method for the solution of PDEs on the sphere</i> (Time: 8:30AM-9:30AM)	<u>Dr. Kuldip Singh</u> IIIT Naya Raipur <i>Title: Wavelet based numerical method for PDEs arising in Finance</i> (Time: 11:15AM-12:15PM)	<u>Dr. Swaraj Paul</u> TIFR CAM, Bangalore (Time: 2:30PM-3:30PM)
December 10 (Friday)	<u>Dr. Rajesh Kumar Pandey</u> IIT BHU <i>Title: Fractional Filters for Retinal Blood Vessel Segmentation</i> (Time: 10:00AM-11:00AM)	<u>Prof. Aparajita Ojha</u> Professor, Department of Computer Science and Engineering, IIIT DM Jabalpur (Time: 11:15AM-12:15PM)	Valedictory Function (Time: 12:15PM-12:45PM)