Prof. U. B. Tewari Distinguished Lecture Series in Mathematics

Department of Mathematics and Statistics
Indian Institute of Technology Kanpur

Title: An overview of convergence methods for nonlinear PDE (and some highlights)

Dates: March 5,7,11,12,13 2024 **Time:** 03:30 PM (IST) **Venue:** LH-13 : on March 5, 7 and 12
LH-11 : on March 11 and 13

Abstract: These lectures will be an ambitious minicourse surveying lots of interesting methods for passing to various limits in assorted (mostly nonlinear) PDE. I will try to explain the basic ideas very clearly, and will provide examples and applications.

About the Series

The lecture series is in honour of Prof. U.B. Tewari (1944-2019) for his outstanding contributions in mathematics. This annual event is generously established by his family, friends, and former students. Each year, a distinguished mathematician is invited to deliver a comprehensive short course consisting of 4-5 lectures spread over a two-week period in a forefront area of Mathematics. This year's lecture is the second in the series, and it includes a short course designed to engage researchers and graduate students.

About the Speaker

Professor Lawrence Craig Evans, a distinguished faculty member in the Department of Mathematics at the University of California, Berkeley, is renowned for his groundbreaking work in the field of nonlinear partial differential equations. Many of his fundamental results have lasting impact on fields such as control theory, geometric motion, level set methods, the calculus of variations, and homogenization. Professor Evans is the author of the highly-praised textbook "Partial Differential Equations," a widely-recognized introductory resource at the graduate level. His co-authored work "Measure Theory and Fine Properties of Functions," is widely cited in the academia.

Professor Evans' outstanding contributions have garnered well-deserved recognition. In 2004, he was honored with the Leroy P. Steele Prize for Seminal Contribution to Research. He was selected as a Solan Fellow in 1979 and became an AMS Fellow in 2013. He is also a member of the National Academy of Sciences (NAS), USA, and was again honoured with the Steele Prize for Mathematical Exposition in 2023.

About Prof. U. B. Tewari

Prof U. B. Tewari, popularly known as UBT, obtained his Ph.D at the University of California Berkeley, and joined I.I.T. Kanpur in 1970. He was known for his inspiring and rigorous teaching. He started an Harmonic Analysis School at I.I.T.K. and brought together colleagues from other reputed institutes in India. Prof. Tewari has received many awards, including the Shanti Swaroop Bhatnagar Prize, and the Meghnad Saha award for research in Theoretical Sciences. He was also a Fellow of the National Academy of Sciences, Allahabad.

All the lectures will be in hybrid mode. Those who wish to participate via ZOOM, should register at the following website.

Last date for registration is 31st January 2024.

Visit: www.iitk.ac.in/math/ubt-lecture