



### The 7th Madanlal Mehta Memorial Lecture

# Exotic Order?

By Prof. Dov Levine

Technion- Israel Institute of Technology

Monday, October 10, 2016 at 2.30 p.m.

Lecture Theatre, AG66, TIFR

1-Homi Bhabha Road, Colaba, Mumbai 400005

Traditionally, order in solids referred to periodic crystalline order, and was revealed experimentally by sharp Bragg scattering. Quasicrystals too exhibit Bragg scattering, and they are also considered ordered. In this talk, I will address the question of whether these are the only types of ordered configurations, from both mathematical and physical perspectives. I will argue that there are many other structures, neither periodic nor quasiperiodic, which should be considered ordered, and will discuss a more general criterion for the assessment of order

Dov Levine is Professor in the Department of Physics at the Technion- Israel Institute of Technology. He received his B.S. in Physics from S.U.N.Y. Stonybrook in 1979, and his Ph.D. in Physics from the University of Pennsylvania in 1986. He is well-known for his work on quasicrystals, granular materials, emulsions, and foams, and more recently on systems far from equilibrium and on the quantification of unconventional order in solids.



Prof. Dov Levine  
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Talk is open to all.

Non TIFR members are requested to carry valid photo ID card in person.

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