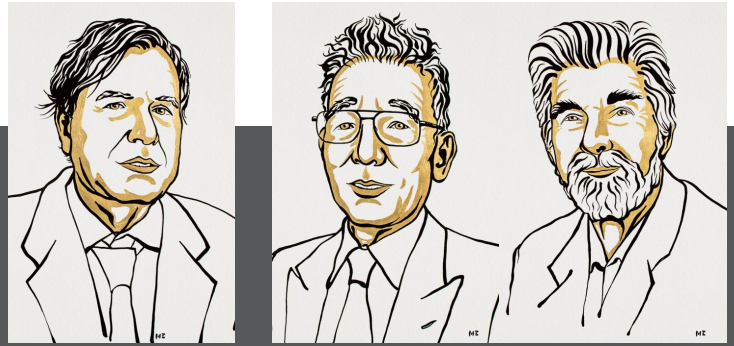
TECHNOLOGIES FOR NEW INDIA@75
आज़ादी का अमृत महोत्सव

IMSc Public Lecture Series



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Monday, 8 November 2021 | 1600 – 1700 IST

Meeting ID: 980 6437 9891 | Passcode: 724060

matsciencechannel

Physics of complex systems: disordered materials and the earth's climate

Pinaki Chaudhuri (IMSc) and R. Shankar (rtd. IMSc)

The 2021 Nobel Prize for Physics was awarded "for groundbreaking contributions to our understanding of complex system".
One half of the prize is awarded to Giorgio Parisi, for discovering hidden patterns in disordered complex materials. This first half of this talk will discuss these findings and how they have permeated to understand other physical problems and phenomena in other scientific domains.
The other half of the prize is shared by Syukuro Manbe and Klaus Hasselmann for their contributions to the physics of climate science, a specific complex system, in another scientific domain, namely the Earths climate. The second part of the talk will outline the historical evolution of ideas and discoveries in climate physics and attempt to describe the significance of their contributions in this context.

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