



# ONE-DAY LECTURE SERIES ON 6 TH NOVEMBER 2023 AT PAMU SEMINAR ROOM

Tipping in an ecological system under external forcing

11:00 AM

**Syamal K. Dana**  
Jadavpur University



Mathematical modelling of spiking neural networks  
accompanied by astrocytes

**Susanna Yu. Gordleeva**

Lobachevsky State University of Nizhny Novgorod, Russia

11:30 AM



Synchronization in higher-order networks

12:30 PM

**Md Sayeed Anwar**  
Indian Statistical Institute



Diagnostics and study of mental disorders based on the  
analysis of fMRI-derived functional brain networks

**Semen A. Kurkin**

Immanuel Kant Baltic Federal University, Russia

03:00 PM



Reservoir computing approach for analysis and  
prediction of complex network dynamics

03:30 PM

**Andrey V. Andreev**

Immanuel Kant Baltic Federal University, Russia



Dynamics of swarmalators with higher-order interactions

**Gourab Kumar Sar**

Indian Statistical Institute

04:30 PM



*Everyone is invited to attend*