



# VIT<sup>®</sup>

**Vellore Institute of Technology**  
(Deemed to be University under section 3 of UGC Act, 1956)  
**CHENNAI**

## **Program Schedule: ICNCS 2024**

### **DAY 01 (07 FEB, 2024)**

08:00–09:15 **Registration**

09:15–10:30 **Inauguration & Keynote Addresses**

10:30–10:35 **Group Photo Session**

10:35–11:00 **Tea Break**

#### **Invited Talks (11:00 – 12:30)**

*Chair Person:* Fathalla Ali Rihan, UAE University, UAE

11:00–11:45 Malay Banerjee, IIT Kanpur, India  
*Analytical detection of spatial and spatio-temporal pattern*

11:45–12:30 Pratibhamoy Das, IIT Patna, India  
*Higher order numerical analysis for multi-term time fractional partial integro differential equations on graded meshes*

12:30–14:00 **Lunch Break**

#### **Invited Talks**

*Chair Person:* Malay Banerjee, IIT Kanpur, India

14:00–15:15 Jürgen Kurths, Humboldt University, Berlin, Germany  
*Stability of power grids concerning strong perturbations - tropical cyclones and increasing resilience (Virtual Mode)*

15:15–16:00 Fathalla Ali Rihan, UAE University, UAE  
*Continuous Runge-Kutta methods of delay differential equations of Pantograph type*

16:00–16:15 **Tea Break**

16:15–17:30 **Contributory Talks (AB1, 7&8 Floors)**

## DAY 02 (08 FEB, 2024)

### Invited Talks

*Chair Person:* Pratibhamoy Das, IIT Patna, India

- 09:30–10:15 Chee Peng Lim, IISRI, Deakin University, Australia  
*Development and application of intelligent learning systems (Virtual Mode)*
- 10:15–11:00 Sudeshna Sinha, IISER Mohali, India  
*Disorder in aid of order*
- 11:00–11:30 **Tea Break**

### Invited Talk

*Chair Person:* Lakshmanan M, Bharathidasan University, India

- 11:30–12:15 Balasubramaniam P, The Gandhigram Rural Institute, India  
*Quantum control systems*
- 12:15–14:00 **Lunch Break**
- 14:00–16:30 **Contributory Talks (Delta Block, 4th Floor)**
- 16:30–17:00 **Tea (Delta Block, 4th Floor)**
- 18:00–19:00 **Cultural Programme (Nethaji Auditorium, AB1 7th Floor)**
- 19:00–20:30 **Conference Special Dinner**

## DAY 03 (09 FEB, 2024)

### Invited Talk

*Chair Person:* Sudeshna Sinha, IISER Mohali, India

09:15–10:00 Lakshmanan M, Bharathidasan University, India  
*Collective dynamical states in simple and complex nonlinear systems*

10:00–10:45 Raju. K. George, IIST, Thiruvananthapuram, India  
*Controllability of nonlinear networked systems*

10:45–11:00 **Tea Break**

### Invited Talk

*Chair Person:* Raju. K. George, IIST, Thiruvananthapuram, India

11:00–11:45 Stefano Galatolo , University of Pisa, Italy  
*Self consistent transfer operators in a weak and not so weak coupling regime. Invariant measures, convergence to equilibrium, linear response (Virtual Mode)*

11:50–13:00 **Contributory Talks (AB2, 2nd Floor)**

13:00–14:00 **Lunch Break**

### Invited Talk

*Chair Person:* Hemen Dutta, Gauhati University, India

14:00–14:45 Balachandran K, Bharathiar University, Coimbatore  
*Controllability of fractional dynamical systems*

14:45–15:15 **Valedictory**

15:15–15:45 **High Tea**

\*Classroom details for the contributory talks will be shared separately.