



# FOS'18

*nature is fractional*

16<sup>th</sup> Feb-20<sup>th</sup> Feb, 2018



**15 hrs practical**

**WORKSHOP ON FRACTIONAL ORDER SYSTEM**

**10 lectures**

**Lecture on:**

- Introduction to fractional order (FO) system,
- Basics of fractional order calculus,
- Design and development of FO devices,
- FO control and applications,
- FO filters and resonators

**Hands on practice :**

- Simulation of FO system design,
- Making of FO circuits and systems,
- FO device fabrication,
- To exhibit FO dynamics in Electrochemical system

**Speakers:**

**Mr. S. Das**, Scientist H, BARC, India  
**Dr. S. Sen**, IIT Kharagpur India  
**Dr. B. Bandyopadhyay**, IIT Bombay, India  
**Dr. R. Caponetto**, Catania Univ., Italy  
**Dr. S. Grazzini** Catania Univ., Italy  
**Dr. M. V. Aware**, VNIT, Nagpur, India  
**Dr. F. A. Khandey**, Kashmir Univ., India  
**Dr. M Khanra**, NIT, Silchar, India  
**Dr. K. Biswas**, IIT Kharagpur, India

**Schedule: (Everyday)**

9:30am-11:00am: Lecture  
11:00am-11:15am: Tea  
11:15am-12:45pm: Lecture  
12:50pm-2:30pm: Lunch  
2:30pm-5:30pm: Practical session

**Venue:**

**Electrical Engineering  
Department,  
IIT Kharagpur, India.**

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