# Department of Computer Science and Engineering, University of Kalyani, India

In Collaboration with
## IEEE CIS Kolkata Chapter
Presents
## One-day National Seminar
ON
## MODELLING AND OPTIMIZATION OF COMPLEX AND INTELLIGENT SYSTEMS (MOCIS)
UNDER
**IEEE CIS LECTURE SERIES (DAY 3) - CONTEMPORARY ADVANCEMENTS IN COMPUTATIONAL INTELLIGENCE (CACI)**

## SEPTEMBER 16, 2025, 10 A.M

**IEEE Computational Intelligence Society® Kolkata Chapter**

## Objectives·
- Focus on evolutionary computation, swarm intelligence, neural networks, and hybrid frameworks.
- Targets real-world problems that are nonlinear, dynamic, and uncertain.
- Highlights applications in autonomous systems, healthcare, supply chains, and cyber-physical systems.
- Covers system identification, multi-objective optimization, and data-driven modelling.
- Includes discussions on performance trade-offs, convergence, and complexity.
- Features lectures from eminent researchers to promote algorithm design and cross-domain adaptability.
- Aims to foster collaboration, mentor young researchers, and connect theory to practical impact.

## RESOURCE PERSONS

**Prof. Lalit Mohan Patnaik, Adjunct Professor and NASI (National Academy of Sciences India), Senior Scientist, NIAS, Bangalore, India**

**Prof. Dilip Kumar Pratihar, Institute Chair Professor, Indian Institute of Technology Kharagpur, India**

**Dr. Tanushyam Chattopadhyay, Associate General Manager, Adani AI Labs, India**

## ORGANIZING COMMITTEE
- Prof. Kalyani Mali, Dept. of CSE, KU
- Prof. Utpal Biswas, Dept. of CSE, KU
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- Prof. Siddhartha Bhattacharyya, VSB Technical University of Ostrava, Czech Republic, and Immediate Past Chair, IEEE CIS Kolkata Chapter
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- Dr. Somnath Mukhopadhyay, Assam University, Silchar, and Secretary, IEEE CIS Kolkata Chapter

## CHIEF PATRON
Prof. Kallol Paul, Vice-Chancellor, University of Kalyani

## PATRON
Dean, Faculty of Engineering, Technology and Management, University of Kalyani

## CHIEF GUEST
Prof. Jyotsna Kumar Mandal, Dept. of Computer Science & Engineering, University of Kalyani

## CONVENOR
Prof. Priya Ranjan Sinha Mahapatra, Head, Department of Computer Science and Engineering, University of Kalyani

- Prof. Paramartha Dutta, Visva Bharati, Santinketan, and Excom Member, IEEE CIS Kolkata Chapter
- Dr. Kousik Dasgupta, Kalyani Government Engineering College, and Excom Member, IEEE CIS Kolkata Chapter
- Dr. Sunita Sarkar, Assam University Silchar, and Excom Member, IEEE CIS Kolkata Chapter
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- Dr. Jyoti Sekhar Banerjee, Bengal Institute of Technology, and Excom Member, IEEE CIS Kolkata Chapter

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Industry Person: Rs. 1500 /-
General: Rs. 1200 /-    IEEE General: Rs. 1000 /-
Student: Rs. 700 /-     EEE Student: Rs. 500 /-
**Payment Link:** https://www.onlinesbi.sbi/sbicollect/

**Venue: Dept. of Computer Science & Engineering, University of Kalyani, India.**
**Contact: priya@klyuniv.ac.in, chair@ieeeciskolkata.in, som.cse@ieee.org.**