



Workshop on Uncertainty Modelling, Propagation and Identification in Structural Dynamics

January 29-30, 2024

Organized by National Institute of Technology Silchar

Sponsored by

Scheme for Promotion of Academic and Research Collaboration (SPARC), Ministry of Education, Govt. of India



Uncertainty Modelling, Propagation, and Identification in Structural Dynamics

Jan 29th - Jan 30th 2024

WORKSHOP TOPICS

- ❑ Introduction to Sources of Uncertainty and Variability in Dynamic Systems.
- ❑ Modelling Uncertainty and Variability in Dynamics.
- ❑ Uncertainty Propagation in Structural Dynamics for Linear System.
- ❑ Uncertainty Identification in Structural Dynamics: Linear System.
- ❑ Uncertainty Identification in Structural Dynamics: Nonlinear System.

COORDINATORS

Dr. Hamed Haddad Khodaparast
Professor
Aerospace Engineering Dept.
Swansea University, United Kingdom



Dr. Sudip Dey
Associate Professor
Mechanical Engineering Dept.
National Institute of Technology Silchar, India



ABOUT SPARC

Scheme for Promotion of Academic and Research Collaboration (SPARC) aims at improving the research ecosystem of India's Higher Educational Institutions by facilitating academic and research collaborations between Indian Institutions and the best institutions in the world from 28 selected nations to jointly solve problems of national and/or international relevance.

ABOUT ME DEPT., NIT SILCHAR

The department was established in 1967 in the institute with the academic activities starting on 2nd November 1977. It is one of the oldest and finest dept. in the zone and carries a rich legacy from thereon. The objective of the department is to strengthen the academic and technical knowledge of the students through various world-class technologies, teaching-learning, and research activities. Over these glorious years of its journey, the department has kept itself up to date with the latest technological and sustainable developments and trends in the field and with a dedicated faculty of highly qualified and experienced members in all streams of mechanical engineering. The department offers 04 years B. Tech. in Mechanical Engineering, 02 years M. Tech. in Thermal Engineering, Design and Manufacturing, CAD CAM and Automation, Materials and Manufacturing Technology, and Renewable Energy, and Ph.D. in different fields of Mechanical Engineering.

ORGANIZER

Patron: Prof. Dilip Kumar Baidya, Director
Chairman: Prof. N.B.D Choudhury, Dean(R&C)
Convener: Dr Sukumar Pati, HoD, ME Dept.

WORKSHOP VENUE

Seminar Hall
Department of Mechanical Engineering
National Institute of Technology Silchar

TARGET AUDIENCE

Faculty members, Research Scholars, PG and UG Students, Persons from Industries, and Research Institutes (Applicable for all disciplines of Engineering and Basic Science). The entry is restricted to 50 participants and it will be on a first come first serve basis. Intimation to those who have registered will be shared.

REGISTRATION

Registration Fee: NIL
Mode of workshop: Hybrid
Last date for registration: 20/01/2024

Link for registration:
[Click Here](#)

CONTACT

Dr. Sudip Dey, Associate Professor,
Department of Mechanical Engg,
National Institute of Technology Silchar
Phone:- +91 7086880231
Email: sudip@mech.nits.ac.in