



SICI Sponsored Lecture Series on Recent Advances in Hydraulic Technology for Linear Actuation: Insights into Digital Technology, Efficiency and Performance

SHASTRI CONFERENCE AND LECTURE
SERIES GRANT (SCLSG) 2023-24

About Shastri Indo-Canadian Institute (SICI)

The Shastri Indo-Canadian Institute (SICI) is a unique bi-national organization, mandated by governments of India and Canada to promote, facilitate and nurture academic linkages, collaborations & exchanges, research partnerships, and networks on bi-national corridors. With its physical presence in New Delhi, India and Calgary, Canada, and a strong base of 154 Indian and 40 Canadian member institutions, for past 55 years, SICI is the only organization in the Canada-India higher education corridor that is instrumental in building and strengthening intellectual and cultural relationship through research and dialogue. Funded by the Ministry of Education, Government of India, it supports diverse disciplines including Social Sciences, Humanities, Science & Technology, Biotechnology, Agriculture, Arts, Literature, Culture, Law, Business, Economic Reform, etc. and covers all levels of higher education from undergraduate to postdoc and from faculty to collaborative research.



Lecture of 1.5 hrs each



10 - 16, February, 2024



Intended Audience

UG/PG students, Research Scholars,
R&D persons/Industry Professionals,
Faculty Members

Resourse Persons



Dr. Nariman Sepehri
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Dr. Somashekhar S. Hiremath
Professor
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Mr. Krishna Singh
Senior Manager
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Mr. Manoranjan Jena
Senior Mechanical Engineer -
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Dr. Niranjan Kumar
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Dr. Ajit Kumar
Assistant Professor
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Preamble

Global market competitiveness necessitates improved productivity, efficiency, and safety in manufacturing and process industries. Hydraulic technology is crucial for mobile equipment deployed in agriculture, construction, and mining. Advancements in linear actuation, digital technology integration, and electro-hydraulic systems have revolutionized industrial automation, leading to higher productivity, lower downtime, and sustainable operations. New technologies like variable speed drives and energy recovery systems have been developed to reduce energy consumption and increase overall system efficiency. Following the significance of advancements in hydraulics with a particular focus on linear actuation, the lecture series "**Recent Advances in Hydraulic Technology for Linear Actuation: Insights into Digital Technology, Efficiency and Performance**" aims to deliberate on new research results of hydraulic actuation technology with detailed insights into its digitalization, performance, and efficiency. Experts in the relevant fields from academia and industry will deliver lectures and share their expertise with the participants to acquaint them with the innovations and developments in digital hydraulic technology for linear actuation. **The lecture series is funded by the Shastri Indo-Canadian Institute (SICI) through the Shastri Conference and Lecture Series Grant (SCLSG) 2023-2024 and facilitated by IIT (ISM) Dhanbad.**

Registration Details

For registration, click on the link below or scan the QR code.

NO REGISTRATION charges.

<https://rb.gy/4dqic9>

The deadline for the registration is 08.02.2024 till 5:00 PM. Please send queries related to the lecture series to the following email id: ajit@iitism.ac.in. The detailed schedule of the event will be shared through email with the registered candidates for the event.



Event Coordinator

Dr. Ajit Kumar

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