

Invitation for Expert Lecture on "Liquid Crystalline Columnar Mesogens: Potential Materials for Modern Optoelectronic Applications" organized by Department of Physics

1 message

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To: ithd@iul.ac.in

Sat, Mar 9, 2024 at 10:35 PM

(For communication to all)**INTEGRAL
UNIVERSITY****Department of Physics****Date: 09/03/2024****NOTICE: Expert Lecture**

Dear All,

The Departmental Quality Assurance Cell (DQAC) of Physics Department is organizing an Expert Lecture on **"Liquid Crystalline Columnar Mesogens: Potential Materials for Modern Optoelectronic Applications"**. The lecture will take place on **March 13, 2024 starting at 11:00 AM in Hall – 1, Central Auditorium Building in offline (face to face) mode.**

We are honoured to have Dr. Dharmendra Pratap Singh as our distinguished speaker for this event. Dr. Dharmendra Pratap Singh is working as the Associate Professor at the University of the Littoral Opale Coast (Université du Littoral Côte d'Opale (ULCO)), France. He is a member of the Unité de Dynamique et Structure des Matériaux Moléculaires (UDSMM) laboratory and head of the first-year cycle of Industrial Engineering of the Engineering School of the ULCO. Dr. Singh obtained his M.Sc. and Ph.D. degrees from the Department of Physics, the University of Lucknow, India in 2008 and 2016, respectively. He completed his Ph.D. on Liquid Crystal-Nanocomposites.

His current research activities are focused on the discotic, ferroelectric, nematics and ferroelectric nematic liquid crystals along with their nanocomposites for studying the charge transport mechanisms and their applications for energy, sensing, thermoelectric, optoelectronics, photovoltaics and organic electronics.

He is the recipient of the Young Scientist Award by the Indian Science Congress in 2017 for physical sciences. He is the recipient of the best research award by the Indian Liquid Crystal Society in 2012. He is also the recipient of an early career award at Cambridge University in 2013, a Best research award by the Korean display society in 2015 and the Raman-Charpak fellowship which is a doctoral student exchange fellowship between India and France.

He has published around 100 research articles in international journals like Physical Reviews, Journal of applied physics, Journal of Materials Chemistry C, Journal of Physical Chemistry B, and Journal of Physics D: Applied physics, etc. He is the principal investigator of PHC Star, Procore, Galilée, Alliance and Samuel de Champlain projects with South Korea, Hong Kong, Italy, United Kingdom and Canada, respectively.

We cordially invite all faculty members and students from every course to attend this enriching lecture. Join us to gain insights into the world of Liquid Crystals from a distinguished professional. We look forward to your active participation in this enlightening session.

Regards,



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