



## ORGANIZERS

**Amartya Sengupta**

Dept. of Physics, IIT Delhi

**Amina Hussein**

Electrical & Computer Engineering

Dept., University of Alberta

**Aparajita Bandyopadhyay**

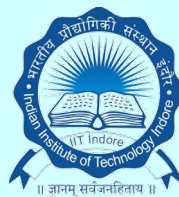
JATC-IIT Delhi



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Institut national  
de la recherche  
scientifique

**LOGIAG**

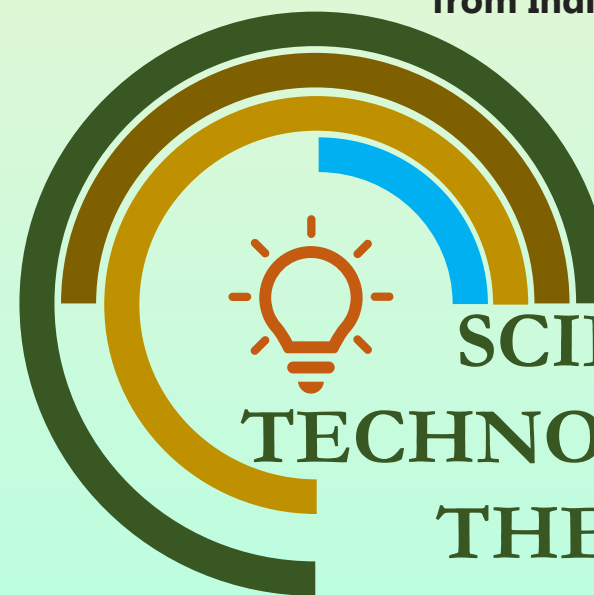


A unique online conference bringing together  
Academics, Researchers & Corporate leaders  
from India and Canada to discuss  
Global Challenges in

**Agriculture**

**Climate**

**Energy**

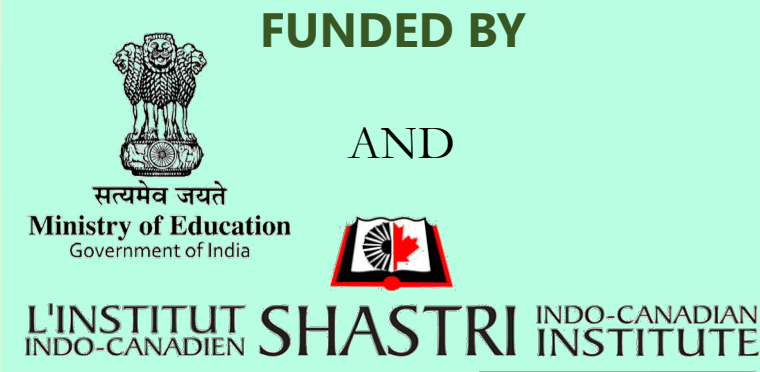


**SCIENCE AND  
TECHNOLOGY FOR**

**THE NEW AGE**

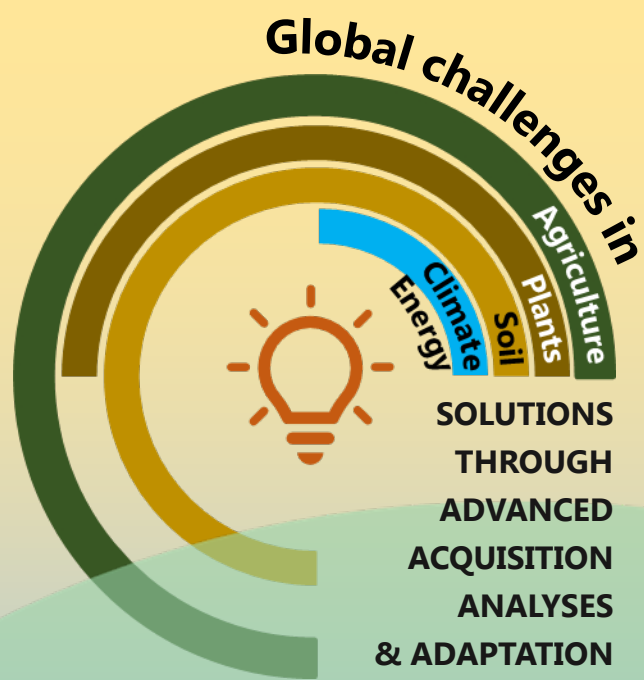
**ACQUISITION, ANALYSES**

**AND ADAPTATION**



March 4: 8 AM - 10:30 AM IST (March 3: 7:30 PM - 10 PM MT) & 8 PM - 10:30 PM IST (March 4: 7:30 AM - 10 AM MT)

March 5: 8 AM - 10:30 AM IST (March 4: 7:30 PM - 10 PM MT) & 8:30 PM - 10:30 PM IST (March 5: 8 AM - 10 AM MT)



### PARTICIPATION INFO:

**Event:** Free, online; pre-registration is required for attending the conference.

**Participants:** Interested students, researchers and academicians from cross-disciplinary backgrounds, industry personnel; delegates of funding, regulatory and policy-making bodies etc.

### PREREGISTRATION INFO:

To pre-register, please scan the code

Please use your institute/company email for registration.

### FURTHER INFO:

Please register to know more about this event.



<p><b>Large-scale Data Analysis and Acquisition</b></p> <p><b>March 4:</b> 8 AM - 10:30 AM IST</p> <p><b>March 3:</b> 7:30 PM - 10 PM MT</p>	<p><b>Welcome Address and Introduction</b> by <i>Prof. Amartya Sengupta, Dept. of Physics, IIT Delhi, India</i></p> <p><b>Opening Remarks</b> by <i>Dr. Prachi Kaul, Director of Shastri Indo Canadian Institute, India</i></p> <p><b>Plenary Talk:</b> <b>Climate Change, Technology and India: An Opportunity in Calamity</b> by <i>Alok Talekar, Google Research India</i></p> <p><b>Talk:</b> <b>Multispectral Imaging for Precision Agriculture and Remote Sensing Applications</b> by <i>Prof. Jayshri Sabarinathan, Dept. of Elec. and Comp. Eng., Western University, Canada</i></p> <p><b>Talk:</b> <b>Soil carbon sequestration &amp; mitigation of GHG emissions thru land management</b> by <i>Prof. Scott Chang, Dept. of Renewable Resources, University of Alberta, Canada</i></p>
<p><b>Basics of Plants, Soils, Energy &amp; Climate</b></p> <p><b>March 4:</b> 8 PM - 10:30 PM IST</p> <p><b>March 4:</b> 7:30 AM - 10 AM MT</p>	<p><b>Tutorial:</b> <b>Introduction to Phenotyping thru Stress Interactome in Arabidopsis thaliana</b> by <i>Prof. Yashwanti Mudgil, Dept. of Botany, Delhi University, India</i></p> <p><b>Talk:</b> <b>Effect of Interface Engineering - Rechargeable Thin Film Batteries</b> by <i>Prof. Sudeshna Chattopadhyay, Metallurgical Engineering and Materials Sciences, IIT Indore, India</i></p> <p><b>Talk Title To be Announced</b> by <i>Dr. Christian L. Goueguel, Logiag Inc., Canada</i></p> <p><b>Talk:</b> <b>Impact of Climate Variability on Crop Yields in India</b> by <i>Balsher Sindhu, Institute for Resources, Environment and Sustainability, University of British Columbia, Canada</i></p>
<p><b>Diagnostic Tools for New Age Science</b></p> <p><b>March 5:</b> 8 AM - 10:30 AM IST</p> <p><b>March 4:</b> 7:30 PM - 10 PM MT</p>	<p><b>Talk Title To be Announced</b> by <i>Cory Willness, CropPro Consulting and Croptimistic Technology, Canada</i></p> <p><b>Talk:</b> <b>Laser Wakefield-driven X-ray Sources: Brilliant Future for Agriculture &amp; Global Food Security</b> by <i>Prof. Jean-Claude Kieffer, Energy Material Telecom Research Centre, National Institute of Scientific Research, Canada</i></p> <p><b>Tutorial cum Live Demo:</b> <b>Agriphotonics – Spectroscopy and Imaging Techniques in Agri-food (with Live-demo of Fluorescence, Raman and THz Spectroscopy and Imaging)</b> by <i>Prof. Pramit K Choudhury, Dept. of Chemistry, IIT Delhi</i> &amp; <i>Dr. Aparajita Bandyopadhyay, Joint Advanced Technology Centre-IIT Delhi, India</i></p>
<p><b>Applications of New Age Science and Technology</b></p> <p><b>March 5:</b> 8:30 PM - 10:30 PM IST</p> <p><b>March 5:</b> 8 AM - 10 AM MT</p>	<p><b>Talk:</b> <b>Applied Photonics and Spectroscopy for Sustainable Energy and Environment</b> by <i>Dr. Bala Pesala, Ayur.AI, India</i></p> <p><b>Talk:</b> <b>A Look at LIBS Technique Opportunities and Challenges related to the Agriculture Field</b> by <i>Dr. Mohamad Sabsabi, National Research Council, Canada</i></p> <p><b>Overview and Concluding Remarks</b> by <i>Prof. Amina Hussein, Dept. of Elec. &amp; Comp. Eng, University of Alberta, Canada</i></p> <p><b>Brainstorming:</b> Open discussion for strategy development on Agri-food, soil, climate and energy for all participants moderated by <i>Amartya Sengupta, Amina Hussein and Aparajita Bandyopadhyay</i></p>