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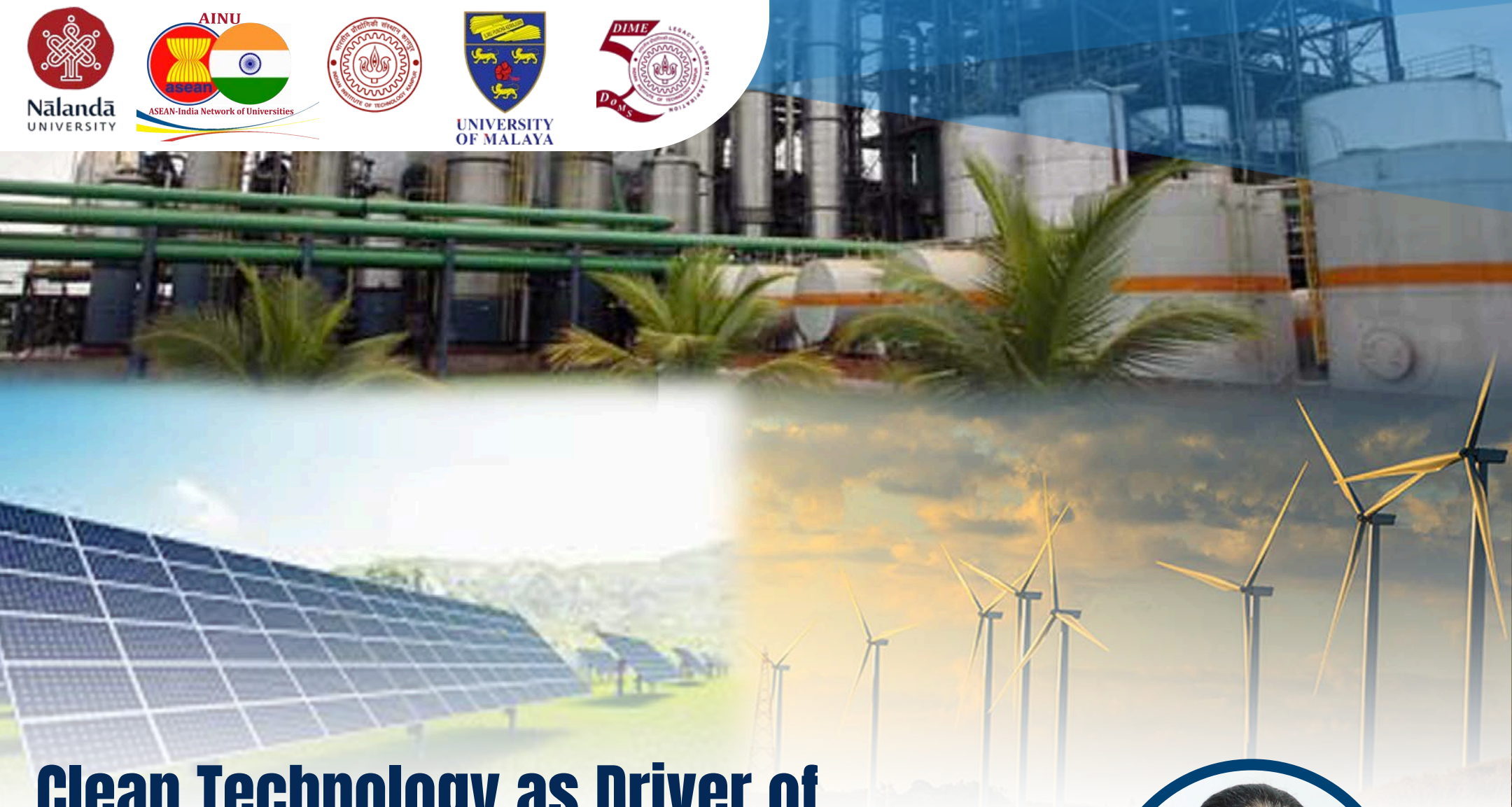
INDIAN INSTITUTE OF TECHNOLOGY



UNIVERSITY
OF MALAYA



DIME
LEGACY OF KNOWLEDGE



Clean Technology as Driver of Sustainable Development: Learnings from Indian and Malaysian Experiences



Prof. Mousami Prasad
Assistant Professor



Wednesday
14/05/2025



TIME

09:00 am - 1:30 pm (MYT)/
6:30 am - 11:00 am (IST)



Assoc Prof. Nurin Wahidah
Associate professor

Mode: Hybrid

In person venue: The Cube, Level 2, Engineering Tower, Faculty of Engineering

Online: <https://zoom.us/j/94333367463?pwd=NrrUIZOOb68u6VZNdT498KhEHsNKudq.1>

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<https://forms.gle/nnoBwtXBLkespnay8>



<div>Event Schedule</div> <div>14 May 2025</div>	
Event details	(Malaysia Time:MYT/ India Time:IST)
Breakfast & Networking	9:00-9:30 am (MYT)/ 6:30-7:00 am (IST)
Welcome & Introduction	9:30-9:35 am (MYT)/ 7:00-7:05 am (IST)
Keynote Lecture on Sustainable Manufacturing Research in UM Dato Ir. Dr. Mohd Hamdi Bin Abd Shukor Professor, University of Malaya	9:35-9:50 am (MYT)/ 7:05-7:20 am (IST)
Finding Terrain-Specific Layout of a Heliostat Field Dr. Jishnu Bhattacharya Associate Professor, Department of Mechanical Engineering, IIT Kanpur	9:50 -10:05 am (MYT)/ 7:20 -7:35 am (IST)
The Development of an Excel Spreadsheet Model for the Techno-Economics of Hydrogen Supply Chain Dr. Md Shahabuddin Ahmmad Senior Lecturer, University of Malaya	10:05 -10:20 am (MYT)/ 7:35 -7:50 am (IST)
Energy Transition in India: Role of Solar Dr. Rajeev Jindal Professor of Practice, Sustainable Energy Engineering (SEE), IIT Kanpur	10:20 -10:35 am (MYT)/ 7:50 -8:05 am (IST)
Optimization and Reliability Assessment of an Integrated Solar, Biogas and Air-Source Heat Pump Heating System Sun TianMei Post Graduate Student, University of Malaya	10:35 -10:50 am (MYT)/ 8:05 -8:20 am (IST)
Sustainable Energy for Rural Bhutan: An Economic Assessment of Household Biogas Kishore Dhavala Associate Professor, School of Ecology and Environmental Studies	10:50 - 11:05 pm (MYT)/ 8:20 - 8:35 am (IST)
High Tea and Networking	11:05-11:50 am (MYT)/ 8:35-9:20 am (IST)

<div> <div>Event Schedule</div> <div>14 May 2025</div> </div>	
Event details	(Malaysia Time:MYT/ India Time:IST)
<div> <div>An Innovative Vertical Axis Wind Turbine Design for Sustainable Wind Energy</div> <div>Dr. Debopam Das</div> <div>Professor, Sustainable Energy Engineering (SEE), IIT Kanpur</div> </div>	<div> <div>11:55-12:10 pm (MYT)/</div> <div>9:25-9:40 am (IST)</div> </div>
<div> <div>A Clean and Efficient Approach to Solar Thermal Collectors for Sustainable Renewable Energy Harvesting</div> <div>Dr. Kazi Md Salim Newaz</div> <div>Professor, University of Malaya</div> </div>	<div> <div>12:15-12:30 pm (MYT)/</div> <div>9:45-10:00 am (IST)</div> </div>
<div> <div>CO₂ Recycling for Industrial Decarbonization: Atomic to Pilot Scale Journey,</div> <div>Dr. Soumyabrata Roy,</div> <div>Assistant Professor, Sustainbale Energy Engineering (SEE), IIT Kanpur</div> </div>	<div> <div>12:35 -12:50 am (MYT)/</div> <div>10:05 -10:20 am (IST)</div> </div>
<div> <div>Development of Sustainable Bio Jet Fuel from Waste Cooking Oil via H2-free catalytic deoxygenation</div> <div>Anas Ahmed Hebish</div> <div>Student, University of Malaya</div> </div>	<div> <div>12:55-01:05 pm (MYT)/</div> <div>10:25-10:35 am (IST)</div> </div>
<div> <div>Keynote lecture on Sustainability - An all Pervasive and Timeless Idea</div> <div>Dr. Sachchida Nand Tripathi</div> <div>Dean, Kotak School of Sustainability, IIT - Kanpur</div> </div>	<div> <div>01:05-01:25 pm (MYT)/</div> <div>10:35 AM-10:55 am (IST)</div> </div>
Vote of Thanks	<div> <div>01:25 pm (MYT)/</div> <div>10:55 am (IST)</div> </div>
Lunch and Networking	<div> <div>01:25 pm (MYT)/</div> <div>10:55 am (IST)</div> </div>

ABOUT US



Department of Management Sciences

Established in 1974, Department of Management Sciences (DoMS) is one of the first in India to leverage analytical education of engineers in training the management professionals. Courses are offered in Operations, Business Economics, Supply Chain, Finance, Human Resources, Policy, Climate Change and Business Sustainability

FACILITATOR:

Mousami Prasad

Dr. Prasad is an Assistant Professor at the Department of Management Sciences (DoMS) IIT Kanpur, India. Her research focuses on the economics of energy and climate change, especially role of renewable energy in decarbonisation and its application in the hard-to-abate sectors.



Department of Mechanical Engineering, University of Malaya

Faculty of Engineering at Universiti Malaya offers Civil Engineering, Mechanical Engineering, Chemical Engineering, Electrical Engineering, Biomedical Engineering. Established in 1905, Universiti Malaya (UM) is Malaysia's oldest and highest-ranked university

FACILITATOR:

Nurin Wahidah Binti Mohd Zulkifli

Dr. Nurin Wahidah Binti Mohd Zulkifli is an Associate Professor at the Department of Mechanical Engineering, Faculty of Engineering, Universiti Malaya. Dr. Zulkifli's expertise lies in combustion and fuel engineering (tribology), which is reflected in her impressive scholarly contributions.



SPEAKERS

KEYNOTE SPEAKER



**SACHCHIDA NAND
TRIPATHI**

Professor
snt@iitk.ac.in



DEBOPAM DAS
Professor
das@iitk.ac.in



RAJEEV JINDAL
Professor of Practice
rajeevj@iitk.ac.in



JISHNU BHATTACHARYA
Associate Professor
jishnu@iitk.ac.in



KISHORE DHAVALA
Associate Professor
k.dhavala@nalandauniv.edu.in



SOUMYABRATA ROY
Assistant Professor
soumyar@iitk.ac.in



SPEAKERS

KEYNOTE SPEAKER



**DATO' IR. DR. MOHD
HAMDI BIN ABD SHUKOR**

Professor
hamdi@um.edu.my



KAZI MD. SALIM NEWAZ
Professor
salimnewaz@um.edu.my



**DR. MD SHAHABUDDIN
AHMMAD**
Senior Lecturer
shahabuddin@um.edu.my



SUN TIANMEI
Post Graduate Student
s2139739@siswa.um.edu.my



ANAS AHMED HEBISH
Student
hebishanas@gmail.com

