

Curtin-IIT Kharagpur Bilateral Online Symposium

11.30 am to 4.00 pm AWST

09.00 am to 01.30pm IST

26 June 2023

Curtin and Indian Institute of technology IIT Kharagpur (IITKgp) are partners with a strong research collaboration. One of the prominent features of the partnership is the Collaborative PhD program. Several students have graduated through this program with excellent credentials. Moreover, Australia and India have several significant research funding opportunities exceeding \$ 3M. The collaborative PhD projects prepare us for writing competitive proposals when the opportunities arrive.

The objective of the Symposium is to strengthen the partnership and explore research projects for the collaborative PhDs who will concurrently enrol at the Host Institutes in 2024.

Link: [Click here to join the meeting](#)

Program

Speaker	Title	AWST
Opening remarks from Curtin		11.30 am
Opening remarks from IITKgp		11.35 am
Presentations (5 minutes each)		
Somnath Sengupta	Electric Vehicles	11.40am
B.K Dubey	Incorporating Circularity in Urban Waste Management Infrastructure	11.45am
B.K Prusty	CCUS, Geological CO2 sequestration	11.50am
Abhijit Mukherjee	Construction materials in the horizon	11.55am
Prasana Sahoo	2D Semiconductor heterostructures for optoelectronic and quantum Technology	12.00pm
Khanindra Pathak	Post Mining Mine site Restoration and Circular Economy for sustainable smart mining	12.05pm
Apurna Ghosh	Research Activities in Mining and Metallurgy	12.10pm
Debasis Samanta	(a) Human Computer Interaction and (b) Cyber Physical System Security	12.15pm
Sonali Sengupta	Catalysis and reaction engineering, wastewater treatment by catalysis, adsorption	12.20pm
Debasis Deb	Hydrogen storage in lined cavern	12.25pm
Saibal Gupta	Earth and Planetary Science	12.30pm
Chris Clark	Putting mountain belts under the microscope	12.35pm
Swambabu Varanasi	Biomarkers for total drug monitoring and water treatment	12.40pm
Soumen Das	Paper-based liquid-liquid electrochemical detection of biomarkers	12.45pm
Damien Arrigan	Paper-based liquid-liquid electrochemical detection of biomarkers	12.50pm

Amitabha Bhattacharya	Breaking underwater rocks with microwaves	12.55pm
Pavitra Sandilya	Cryogenic carbon capture and cryogenic energy storage	01.00pm
Swati Maitra	Application of Mine Wastes in developing Sustainable Construction Materials	01.05pm
Subhra Majhi	Non-Destructive Condition Monitoring and Imaging of Civil Engineering Assets	01.10pm
Aditya Vyas	Petroleum Engineering, Enhanced Oil Recovery, Machine Learning Applications in Petroleum Engineering	01.15pm
Goutam Das	Zero Touch Networking	01.20pm
Himanshu Agarwal	Autonomous networking and applications	01.25pm
Gargi Das	Multiphase Flow	01.30pm
Ch Phan	TBC	01.35pm
Dr P Srinivasa Rao	Alternative Proteins and Meat Analogues	01.40pm
Rewati Raman Bhattarai	TBC	01.45pm
Shivendu Ranjan	Developments in dermal tissue engineering scaffolding using an electrospinning process for skin regeneration	01.50pm
Ankur Sharma	TBC	01.55pm
Vetri Thirthar Palanivelu	TBC	02.00pm
Soumya K Ghosh	Developing Blockchain-enabled Collaborative Edge Intelligence Framework	02.05pm
Vidy Potdar	Future of Blockchain and Web3. Research & Industry Project from the Blockchain R&D Lab at Curtin University	02.10pm
Sajib K Mistry	Developing Robust and Fault-tolerant Resource-Constraint Mobile Edge Computing	02.15pm
Sandip Chakraborty	Next Generation Telecommunication Networks	02.20pm
Goutam Saha	Biomedical Signal Processing / Speech and Audio Processing	02.25pm
Yue Rong	Biomedical signal processing/speech recognition	02.30pm
Mrinal Kumar Acharya	Clinical Neuroscience, Neuroimaging, Electrophysiology	02.35pm
Arista Lahiri	Behavioral intervention for hrHPV risk reduction among the sexually high risk population	02.40pm
Soumya De	Functional roles of intrinsically disordered regions in proteins	02.45pm
Somnath Ghosal	Community health	02.50pm
Karen P. Nonis	Inclusive Education (special education) and Pre-service Teacher Education	02.55pm
Susanna Castleden	TBC	03.00pm
Richa Chopra	"Does Yoga help Zoomers with Mental Health? A Randomized Control Trial Study" / Universal Ideas from Patanjali's Yoga Sūtra on Mind & Mental Health: Philosophy and Practice / niśkāma śeva (selfless social service) in Different Schools of Indic thought"	03.05pm
Gouri Ashok Gargate	IP Management and Commercialization	03.10pm
Open session		03.15pm

Close		03.45pm
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