



**16<sup>th</sup> IOE Graduate Conference**  
TU, IOE, Thapathali Campus, Kathmandu [18 - 20 April, 2025]  
**PROGRAM SCHEDULE (v1)**



Day	Time	Program			
Day 1 [Friday, 5th Baishakh, 2082   18 April, 2025]	09:30 - 10:00	Registration			
	10:00 - 10:40	Inaugural Session			
	10:45 - 11:30	Keynote 1 : Recycled Aggregate Concrete as Structural Members: Current research at Walailak University, by Assoc. Prof. Dr. Thanongsak Imjai, Thailand [Auditorium Hall]			
	11:30 - 11:45	Break			
	11:45 - 13:15	Technical Session A			
		A1: Bridge Engineering [E402, Online] Papers: A1-1 A1-2 A1-3 A1-4 A1-5 A1-6	A2: AI/ML-I [E403, Online] Papers: A2-1 A2-2 A2-3 A2-4 A2-5 A2-6	A3: Electrical Generation & Transmission - I [E404, Online] Papers: A3-1 A3-2 A3-3 A3-4 A3-5 A3-6	A4: Building Construction Management [E405, Physical] Papers: A4-1 A4-2 A4-3 A4-4 A4-5 A4-6
	13:15 - 13:45	Break			
	13:45 - 15:15	Technical Session B			
		B1: Climate Change [E402, Online] Papers: B1-1 B1-2 B1-3 B1-4 B1-5	B2: AI/ML-II [E403, Online] Papers: B2-1 B2-2 B2-3 B2-4 B2-5 B2-6	B3: ML in Electrical Engineering [E404, Online] Papers: B3-1 B3-2 B3-3 B3-4 B3-5 B3-6	B4: Seismic Performance of Structures - I [E405, Physical] Papers: B4-1 B4-2 B4-3 B4-4 B4-5 B4-6
	15:15 - 15:30	Break			
15:30 - 17:00	Technical Session C				
	C1: Construction & Project Management [E402, Online] Papers: C1-1 C1-2 C1-3 C1-4 C1-5 C1-6	C2: Computer Vision & Image Processing - I [E403, Online] Papers: C2-1 C2-2 C2-3 C2-4 C2-5 C2-6	C3: Power Electronics/System [E404, Online] Papers: C3-1 C3-2 C3-3 C3-4 C3-5 C3-6	C4: Structural Engineering - I [E405, Physical] Papers: C4-1 C4-2 C4-3 C4-4 C4-5 C4-6	
Day 2 [Saturday, 6th Baishakh, 2082   19 April, 2025]	08:00 - 8:15	Registration			
	8:15 - 9:45	Technical Session D			
		D1: Environmental Engineering [E402, Online] Papers: D1-1 D1-2 D1-3 D1-4 D1-5	D2: Cyber & Network Security [E403, Online] Papers: D2-1 D2-2 D2-3 D2-4 D2-5 D2-6	D3: Traffic Engineering [E404, Online] Papers: D3-1 D3-2 D3-3 D3-4 D3-5 D3-6	D4: Electrical Generation & Transmission - II [E405, Physical] Papers: D4-1 D4-2 D4-3 D4-4 D4-5 D4-6
	9:45 - 10:30	Break			
	10:30 - 11:15	Keynote 2: The Power and the Price of Intelligence: Rethinking Computation in the Age of AI, by Assoc. Prof. Dr. Shaswot Shresthamali, Japan [E405]			
	11:15 - 11:30	Break			
	11:30 - 13:00	Technical Session E			
		E1: Rock-Soil Mechanics [E402, Online] Papers: E1-1 E1-2 E1-3 E1-4 E1-5 E1-6	E2: Natural Language Processing [E403, Online] Papers: E2-1 E2-2 E2-3 E2-4 E2-5 E2-6	E3: Electrical Engineering [E404, Online] Papers: E3-1 E3-2 E3-3 E3-4 E3-5 E3-6	E4: Quantum Computing [E405, Physical] Papers: E4-1 E4-2 E4-3 E4-4 E4-5 E4-6
	13:00 - 13:15	Break			
	13:15 - 14:45	Technical Session F			
F1: Landslide susceptibility [E402, Online] Papers: F1-1 F1-2 F1-3 F1-4 F1-5 F1-6		F2: Architecture, Technology & Conservation [E403, Online] Papers: F2-1 F2-2 F2-3 F2-4 F2-5 F2-6	F3: Transportation [E404, Online] Papers: F3-1 F3-2 F3-3 F3-4 F3-5 F3-6	F4: AI/ML-III [E405, Physical] Papers: F4-1 F4-2 F4-3 F4-4 F4-5 F4-6	
14:45 - 15:00	Break				
15:00 - 16:30	Technical Session G				
	G1: Geotech [E402, Online] Papers: G1-1 G1-2 G1-3 G1-4 G1-5 G1-6	G2: Land Use Planning [E403, Online] Papers: G2-1 G2-2 G2-3 G2-4 G2-5 G2-6 G2-7	G3: Tunneling [E404, Online] Papers: G3-1 G3-2 G3-3 G3-4 G3-5 G3-6	G4: Computer Vision & Image Processing - II [E405, Physical] Papers: G4-1 G4-2 G4-3 G4-4 G4-5 G4-6	
Day 3 [Sunday, 7th Baishakh, 2082   20 April, 2025]	08:00 - 8:15	Registration			
	8:15 - 9:45	Technical Session H			
		H1: Hydropower [E402, Online] Papers: H1-1 H1-2 H1-3 H1-4 H1-5 H1-6	H2: Mechanical Engineering [E403, Online] Papers: H2-1 H2-2 H2-3 H2-4 H2-5 H2-6	H3: Stream Flow and Flood Hazard Analysis [E404, Online] Papers: H3-1 H3-2 H3-3 H3-4 H3-5 H3-6	H4: Renewable Energy & Efficiency [E405, Physical] Papers: H4-1 H4-2 H4-3 H4-4 H4-5 H4-6
	9:45 - 10:30	Break			
	10:30 - 11:15	Keynote 3: Introduction to research in thermo-fluid and microbubble generation activities at Teesside University, by Assoc. Prof. Dr. Faik Hamad, UK [E405]			
	11:15 - 11:30	Break			
	11:30 - 13:00	Technical Session I			
		I1: Seismic Performance of Structures - II [E402, Online] Papers: I1-1 I1-2 I1-3 I1-4 I1-5 I1-6	I2: Energy & Saving [E403, Online] Papers: I2-1 I2-2 I2-3 I2-4 I2-5 I2-6	I3: Water Resource Engineering [E404, Online] Papers: I3-1 I3-2 I3-3 I3-4 I3-5 I3-6	I4: Architecture, Technology and Society [E405, Physical] Papers: I4-1 I4-2 I4-3 I4-4 I4-5 I4-6
	13:00 - 13:15	Break			
	13:15 - 14:45	Technical Session J			
J1: Structural Engineering - II [E402, Online] Papers: J1-1 J1-2 J1-3 J1-4 J1-5 J1-6		J2: Public Transportation [E403, Online] Papers: J2-1 J2-2 J2-3 J2-4 J2-5 J2-6	J3: Inclusive Infrastructure Planning [E405, Physical] Papers: J3-1 J3-2 J3-3 J3-4 J3-5 J3-6		
14:45 - 15:00	Break				
15:00 - 16:30	Closing [Auditorium Hall]				

\* Please refer to the Book of abstracts for further details