



7th International Conference on Mechanical, Industrial and Energy Engineering

📍 **Khulna, Bangladesh**

📅 **22-24 December, 2022**



Organized by:
Faculty of Mechanical Engineering
Khulna University of Engineering & Technology (KUET)

Conference Program

Date: December 22, 2022 (Thursday)

Time	Program
09:30AM-10:35AM	Inaugural Ceremony Venue: KUET Auditorium 9:35: Guests take seats 9:40: Recitation from the Holy Al-Quran 09:45: Welcome speech by Prof. Md. Golam Kader Chair, Organizing Committee 09:50: Speech by Prof. Dr. Khandkar Aftab Hossain Chair, Technical Committee 09:55 Speech by Prof. Dr. Mohammad Ilias Inam Secretary, Technical Committee 10:00 Speech by Special Guest Prof. Dr. Sobahan Mia Pro-Vice Chancellor, KUET 10:10: Speech by Chief Guest Prof. Dr. Ehsanul Haque Former Member, UGC, and Former Vice Chancellor, KUET 10:25: Speech by Chief Patron Prof. Dr. Mihir Ranjan Halder Vice-Chancellor, KUET, Bangladesh 10:35: Vote of thanks by Prof. Dr. Zahir Uddin Ahmed Secretary, Organizing Committee
10:35AM-11:00AM	Refreshment and Communication break
11:00 AM-12:00 PM	Keynote Lecture by Prof. Dr. Muhammad Mustafizur Rahman (Wichita State University, USA) Title: Thermal Management in Buildings Using Phase Change Materials Chair: Prof. Dr. Md. Kutub Uddin (KUET, Khulna) Venue : KUET Auditorium
12:00 PM-01:00 PM	Keynote Lecture by Prof. Dr. S. M. Sohel Murshed (University of Lisbon, PORTUGAL) Title: Nanofluids to Tackle Modern Thermal Management and Energy Challenges Chair: Prof. Dr. Md. Nawsher Ali (Northwestern University, Khulna) Venue: KUET Auditorium
1:00PM-2:00PM	Lunch Break
2:00PM-3:30PM	Parallel Technical Sessions A1: CFD I (Paper ID: 011, 030, 035, 042, 107,116, 130) Chair: Prof. Dr. Muhammad A R Sharif (University of Alabama, USA) Co-chair: Dr. Md. Abdullah Al-Faruk (KUET) Venue: ME 201 B1: Composite & Smart Materials I (Paper ID: 060, 105, 111, 134, 200, 208, 210) Chair: Prof. Dr. Md. Shahidul Islam (KUET) Co-Chair: Prof. Dr. Md. Abdul Hasib (KUET) Venue: ME 308 C1: Energy Engineering I (Paper ID: 015, 045, 051, 100, 128, 181) Chair: Prof. Dr. Mohammad Ariful Islam (KUET)



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	<p>Co-Chair: Dr. Md. Hasan Ali (KUET) Venue: ME 310</p> <p>D1: Leather Engineering I (Paper ID: 004, 005, 006, 189, 202, 205) Chair: Dr. Abdulla-Al-Mamun (ILET, Dhaka University) Co-Chair: Dr. Elias Uddin (KUET) Venue: TE 410</p>
3:30PM-3:45PM	Tea and Communication break
3:45 PM-5:05 PM	<p>Parallel Technical Sessions</p> <p>A2: CFD II (Paper ID: 044, 047, 054, 064, 155, 165, 166) Chair: Prof. Dr. Muhammad Mustafizur Rahman (Wichita State University, USA) Co-chair: Prof. Kazi Mustafijur Rahman (KUET) Venue: ME 201</p> <p>B2: Thermofluids I (Paper ID: 049, 053, 152, 187, 190, 213, 215) Chair: Prof. Dr. S M Sohel Murshed (University of Lisbon, Portugal) Co-Chair: Prof. Dr. Md. Ashraful Islam (KUET) Venue: ME 308</p> <p>C2: Industrial Automation & Robotics (Paper ID: 026, 046, 057, 058, 065, 084, 091) Chair: Prof. Dr. Helal An-Nahiyan (KUET) Co-Chair: Dr. Asief Javed (KUET) Venue: ME 310</p> <p>D2: Textile and Material Engineering I (Paper ID: 009, 097, 117, 120, 131, 132, 161, 191) Chair: Professor Dr. Lal Mohan Baral (Ahsanullah University of Science and Technology, Dhaka) Co-Chair: Dr. Ismail Hossain (KUET) Venue: TE 410</p>

Date: December 23, 2022 (Friday)

9:30AM-10:30AM	<p>Keynote Lecture by Prof. Dr. A K M Nurul Amin (Military Institute of Science and Technology, Bangladesh) Title: Causes of Chatter Formation in Metal Cutting and Innovative Chatter Control Strategies Chair: Prof. Dr. Nasim Ahmed (Northwestern University, Bangladesh) Venue: ME 201</p>
10:30AM-11:30AM	<p>Keynote Lecture by Prof. Dr. Firoz Alam (RMIT University, Australia) Title: Central-Southern Himalayan Region Hydropower Generation and Ecosystem Chair: Prof. Dr. Muhammad A R Sharif (University of Alabama, USA) Venue: ME 201</p>
11:30AM-11:45AM	Tea and Communication break
11:45AM-01:00PM	<p>Parallel Technical Sessions</p> <p>A3: CFD III (Paper ID: 068, 071, 072, 086, 096, 170, 186) Chair: Prof. Dr. Khandkar Aftab Hossain (KUET)</p>



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	<p>Co-Chair: Prof. Dr. Zahir Uddin Ahmed (KUET) Venue: ME 201</p> <p>B3: Composite & Smart Materials II (Paper ID: 061, 135, 136, 160, 211, 212) Chair: Prof. Dr. Md. Shariful Islam (KUET) Co-Chair: Prof. Dr. Md. Sanaul Rabbi (CUET) Venue: ME 308</p> <p>C3: Industrial and Production Engineering (Paper ID: 025, 055, 062, 088, 104, 153, 178) Chair: Prof. Dr. A. K. M. Nurul Amin (AUST) Co-Chair: Prof. Dr. Subrata Talapatra (KUET) Venue: ME 310</p> <p>D3: Chemical Engineering (Paper ID: 003, 095, 103, 113, 138, 171, 176, 192, 206) Chair: Prof. Dr. Md. Abul Hashem (KUET) Co-Chair: Prof. Dr. Md. Arifuzzaman (KUET) Venue: TE 410</p>
1:00PM-2:00PM	Lunch Break
2:00PM-3:15PM	<p>Parallel Technical Sessions</p> <p>A4: Thermofluids II (Paper ID: 163, 164, 168, 179, 184) Chair: Prof. Dr. Md. Ilias Inam (KUET) Co-Chair: Dr. Dipayan Mondal (KUET) Venue: ME 201</p> <p>B4: Energy Engineering II (Paper ID: 021, 076, 080, 207, 214) Chair: Prof. Dr. A N M Mizanur Rahman (KUET) Co-Chair: Dr. Md. Abdul Wakil (KUET) Venue: ME 308</p> <p>C4: Leather Engineering II (Paper ID: 007, 016, 031, 037, 070, 078) Chair: Prof. Dr. Md. Abul Hashem (KUET) Co-Chair: Dr. Elias Uddin (KUET) Venue: ME 310</p> <p>D4: Related Engineering (Paper ID: 019, 082, 087, 093, 099, 172, 203) Chair: Prof. Dr. Md. Abul Jalil (KUET) Co-Chair: Dr. Md. Rafiquzzaman (KUET) Venue: TE 410</p> <p>E: Online Session (On Demand) Chair: Prof. Dr. Mohammad Sultan Mahmud (KUET)</p>
3:15PM-3:45PM	Tea and Communication break
3:45PM-4:45PM	<p>Closing Ceremony Venue: ME 201</p>

Date: December 24, 2022 (Saturday)

9:30AM-04:30AM	Local Tour (On request)
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