3rd International Conference on Advancements in Engineering Education (iCAEED-2024)
Western Sydney University (Penrith Campus), Australia
20-23 Nov 2024

Host: Western Sydney University

Co-hosts:

The Institut National de la Recherche Scientifique (INRS), Québec, Canada
The University of Naples, Italy
Khulna University of Engineering and Technology (KUET), Bangladesh
Queensland University of Technology (QUT), Australia
Fuzhou University, China
Shenzhen University, China

Conference Management by GCSTMR, Sydney, Australia

CONFERENCE INFORMATION

Engineering education is constantly evolving to embrace the latest technological developments and meet the changing needs of the engineering industry. Currently, employers do not only look for technical skills in fresh graduates, but they demand engineers having emotional intelligence and high-level communication. Also, emergence of generative artificial intelligence technology, such as the ChatGPT and post-pandemic culture of remote working have added a new dimension to all disciplines including engineering. In these contexts, the 3rd International Conference on Advancements in Engineering Education, Sydney, 2024 (iCAEED-2024) will bring national and international engineering educators and industry experts to share their experience and views on emerging aspects of engineering education. iCAEED-2024 will be jointly organised by School of Engineering, Design and Built Environment, Western Sydney University, Global Circle for Scientific, Technological and Management Research (GCSTMR) as its 7th World Congress, INRS Canada, The University of Naples, Italy and Khulna University of Engineering and Technology (KUET) Bangladesh.

Since Western Sydney University (WSU) has been ranked #1 globally in 2022 and 2023 by The Times Higher Education (THE) Impact Ranking, WSU is in a unique position to host such a conference to promote sustainability across all spheres of life including engineering education. Engineering education needs to be revamped based on sustainability concepts so that engineers assist greatly to build a more sustainable world for us and our future generations.

iCAEED-2024 will be held at Western Sydney University's Penrith campus, which is well connected by rail and road with Sydney CBD. The traditional landmarks of Sydney including Sydney Harbour, Sydney Opera House and Harbour Bridge are within easy reach of the conference venue as is the Blue Mountains World Heritage National Park.

iCAEED-2024 will feature keynote addresses by senior engineering academics and industry experts. All the abstracts and full papers submitted to iCAEED-2024 will be refereed by two independent reviewers and if accepted will be published in the conference proceedings with Australian ISBN number. An edited book will be published (Springer) based on selected papers (subject to upgrade by authors and acceptance by the editors).

ADVISORY COMMITTEE

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Distinguished Prof Vivian Tam, Western Sydney University, Australia
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Prof Richard Yang, Western Sydney University, Australia
Prof Swapan Saha, Western Sydney University, Australia
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Dr Sabrina Fawzia, Queensland University of Technology, Australia
Assoc Prof Lalantha Senevirathna, Charles Sturt University, Australia
Dr Upul Gunawardana, Western Sydney University, Australia
Dr Dharma Hagare, Western Sydney University, Australia

CONFERENCE TRACKS

Index	Track code	Track name	Track Chair
1	iCAEED-Track 1	Pedagogical innovations in sustainable environmental engineering practices	Dr M Muhitur Rahman and Dr Dharma Hagare
2	iCAEED-Track 2	Doctoral study in engineering: opportunities and challenges	Prof Ataur Rahman
3	iCAEED-Track 3	Honours study in engineering: opportunities and challenges	Assoc Prof Kejun Dong and Dr Pan Hu
4	iCAEED-Track 4	Soft skills development for engineering students	Assoc Prof Faisal Anwar
5	iCAEED-Track 5	Early year engineering education	Dr Md Abdul Alim
6	iCAEED-Track 6	Generative AI for engineering education	Prof Azharul Karim and Dr Sabrina Fawzia
7	iCAEED-Track 7	Delivery in engineering education: Face-to-face, online, hybrid and blended modes	Assoc Prof Surendra Shrestha
8	iCAEED-Track 8	Sustainable development goals (SDGs): engineering educational dimension	Prof Olivia Mirza
9	iCAEED-Track 9	Challenges in Engineering Fluid Mechanics education	Dr Gokhan Yildirim and Mr Ali Ahmed
10	iCAEED-Track 10	Student engagement in engineering education	Dr M Ashiqur Rahman and Dr Amimul Ahsan
11	iCAEED-Track 11	Pre-engineering and science education at high school level	Sumya Rahman and Kamal Mahmud
12	iCAEED-Track 12	Work integrated learning	Dr Ali Hellany
13	iCAEED-Track 13	Washington Accord and accreditation of engineering degrees	Dr A H M Kamruzzaman and Prof Kazi ABM Mohiuddin
14	iCAEED-Track 14	Advising engineering students in the post-pandemic era	Dr Fidelis Mashiri and Prof Chin Leo
15	iCAEED-Track 15	Engineering education applications in medicine	Dr Vic Ilic
16	iCAEED-Track 16	Engineering without border: learning experiences	Dr Ee Loon Tan
17	iCAEED-Track 17	Other aspects of engineering education: lifelong learning, women in engineering, inclusive engineering education, engineering education at the	Prof Ataur Rahman and Dr Md Abdul Alim

		age of industry 5.0, remote labs, industrial experience etc.	
18	iCAEED-Track 18	Contribution and legacy of Prof Akhtar Kalam on engineering education in Australia	Assoc Prof Mahmood Nagrial, Dr Jamal Rizk, Dr Ali Hellany and Prof Ataur Rahman
19	iCAEED-Track 19	Online Education and Integrity of Assessments.	Dr Ranjith Liyanapathirana
20	iCAEED-Track 20	Micro-credentials	Prof Swapan Saha and Prof Richard Yang
21	iCAEED-Track 21	Alternative assessment	Dr Ali Hellany
22	iCAEED-Track 22	Environmental Engineering education to meet multiple Sustainable Development Goals (SDGs)	Prof Sathaa Sathasivan and Assoc Prof Lalantha Senevirathna
23	iCAEED-Track 23	Application of Big Data Analysis, Supercomputing, IoT, and AI and ML in engineering education	Assoc Prof Rehana Shaik

KEY DATES
Closing date for abstract submission: 30 May 2024
Notification of acceptance/rejection to authors: 15 June 2024
Full paper or extended abstract submission due: 30 July 2024
Full paper review report to author: 30 August 2024
Final paper or extended abstract due: 30 September 2024
Early bird registration opens: 12 March 2024
Early bird registration closes: 15 October 2024
Conference date: 20 to 23 Nov 2024

SUBMISSION
- Please visit the conference website (TBA) to download the template to prepare your abstract or full paper and follow the link to make submission.

REGISTRATION FEES

Subclass	Early Birds	Birds on Time
Delegates	AUD $995	AUD $1095
Students	AUD $650	AUD $750
Day rate for one day	AUD $600	AUD $700
Accompanying family member	AUD $400	AUD $500
Conference dinner	AUD $130	AUD $130

*International delegates and international students from countries with a per capita GDP of less than US$ 10,000 (World Bank, 2023) will receive a discount of $100 on the registration fee.

FURTHER INFORMATION

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