

ICBME 2024 - Program Overview

Monday, 9 Dec 2024

Venue	LT7A	Engineering Auditorium	EA-02-11	EA-06-02	EA-06-03	EA-06-04	EA-06-05	EA-06-07	Others
08:00 - 18:00	Registration EA Level 1 Foyer								
09:00 - 09:15	Opening Ceremony								
09:15 - 09:45	Distinguished Lecture <i>Chorh Chuan TAN</i>								
09:45 - 10:30	PL1: Plenary Lecture AI/Data Science-Driven Precision Medicine <i>Metin AKAY</i> Sponsored by IEEE EMBS								
10:30 - 10:45	Coffee Break @ EA Level 1 Foyer and Level 6 Lobby								Poster Session 1
10:45 - 12:15	MoB1: Special Symposium Engineering Mechanobiology 1	MoB2: Special Symposium Wearable Technologies 1	MoB3: Special Symposium Revolutionizing Healthcare: Unleashing the Power of AI in Medical Imaging	MoB4: Special Symposium Extracellular Vesicles 1	MoB5: Oral Session Biomaterials 1	MoB6: Oral Session 3D Printing & Additive Manufacturing 1	MoB7: Oral Session Biosignals, Biosensors & Bioelectronics 1	MoB8: Oral Session Tissue Engineering & Regenerative Medicine 1	
12:15 - 13:30	Lunch EA Level 1 Foyer	Editorial & Career Panel (12:15 - 13:30)	Lunch EA Level 1 Foyer						Poster Session 1 EA Level 1 Foyer
13:30 - 14:15	PL2: Plenary Lecture Wireless Soft Milliscale Robots for Minimally Invasive and Implantable Medical Operations inside the Human Body <i>Metin SITTI</i>								
14:15 - 15:45	MoC1: Special Symposium APBEC Symposium	MoC2: Special Symposium Clinical Engineering and Regulatory Affairs	MoC3: Special Symposium Computational Fluid Dynamics: A Powerful Tool in Cardiovascular Medicine	MoC4: Special Symposium Extracellular Vesicles 2	MoC5: Oral Session Biomaterials 2	MoC6: Oral Session Biomechanics & Mechanobiology 1	MoC7: Oral Session Biosignals, Biosensors & Bioelectronics 2	MoC8: Oral Session Tissue Engineering & Regenerative Medicine 2	
15:45 - 16:00	Coffee Break @ EA Level 1 Foyer and Level 6 Lobby								Poster Session 1
16:00 - 17:30	MoD1: Special Session BME Rising Stars	MoD2: Special Symposium Wearable Technologies 2	MoD3: Special Symposium Multimodal Opto-Ultrasound Sensing and Imaging 1	MoD4: Special Symposium Emerging Technologies and Materials for Biofabrication of Soft Tissues	APBEC Committee Meeting	MoD6: Oral Session Biomechanics & Mechanobiology 2	IFMBE Working Group Meeting (4-6pm)	MoD8: Oral Session VR/AR/MR in Healthcare & Health Metaverse	
18:00 - 18:45	PL3: Plenary Lecture Into a Sea of Diversity: Expanding the Horizons of Microfluidics <i>Teruo FUJII</i> Sponsored by Microsystems & Nanoengineering Journal								
18:45 - 20:00	Welcome Reception NUS College of Design and Engineering, Blk EA, Level 1 Foyer								

ICBME 2024 - Program Overview

Tuesday, 10 Dec 2024

Venue	Engineering Auditorium	LT7A	EA-02-11	EA-06-02	EA-06-03	EA-06-04	EA-06-05	EA-06-07	Others
08:00 - 18:00	Registration EA Level 1 Foyer								
08:30 - 09:15	PL4: Plenary Lecture Continuous Monitoring of Protein Biomarkers Using Implantable Sensors <i>Shana KELLY</i>								
09:15 - 10:45	TuA1: Special Session APBEC Young Scholars	TuA2: Special Symposium Future of Biomedical Engineering Education in the Asia Pacific Region 1	TuA3: Special Symposium AI-Driven Innovations in Healthcare (AI-Driven Health)	TuA4: Special Symposium Tumor Engineering	TuA5: Oral Session Biomaterials 3	TuA6: Oral Session Biomechanics & Mechanobiology 3	TuA7: Oral Session Biosignals, Biosensors & Bioelectronics 3	TuA8: Oral Session Tissue Engineering & Regenerative Medicine 3	
10:45 - 11:00	Coffee Break EA Level 1 Foyer and Level 6 Lobby								Poster Session 2 EA Level 1 Foyer
11:00 - 12:30	TuB1: Special Symposium Engineering Mechanobiology 2	TuB2: Special Symposium Future of Biomedical Engineering Education in the Asia Pacific Region 2	TuB3: Special Symposium Unlocking the Future of Precision Medicine: Generative AI in Healthcare	TuB4: Special Symposium Neurotechnology	TuB5: Oral Session Biomaterials 4	TuB6: Oral Session Bio-Micro / Nanotechnologies 1	TuB7: Oral Session AI in Healthcare 1	TuB8: Oral Session Computational Modelling and Simulation 1	
12:30 - 13:30	Lunch EA Level 1 Foyer		Lunch Talk sponsored by Mindray	Lunch EA Level 1 Foyer				Poster Session 2 EA Level 1 Foyer	
13:30 - 14:15	PL5: Plenary Lecture Acoustic Tweezers and Neuromodulation <i>Hairong ZHENG</i>								
14:15 - 15:45	TuC1: Special Symposium Engineering Mechanobiology 3	TuC2: Special Symposium Future of Biomedical Engineering Education in the Asia Pacific Region 3	TuC3: Special Symposium Quantitative Analysis of Dopamine Transporter Imaging	TuC4: Special Symposium Emerging Technologies for Microfluidics	TuC5: Oral Session 3D Printing & Additive Manufacturing 2	TuC6: Oral Session Bio-Micro / Nanotechnologies 2	TuC7: Oral Session Microfluidics & Organ-on-Chip 1	TuC8: Oral Session Computational Modelling and Simulation 2	
15:45 - 16:00	Coffee Break EA Level 1 Foyer and Level 6 Lobby								Poster Session 2 EA Level 1 Foyer
16:00 - 17:30	TuD1: Special Session IFMBE Young Investigators Award @ ICBME 2024	TuD2: Panel Session Clinical Panel	TuD3: Special Symposium Nanoscale Mechanobiology 1	TuD4: Special Symposium Bioprinting and Microphysiological Systems 1	TuD5: Oral Session 3D Printing & Additive Manufacturing 3	TuD6: Oral Session Biomechanics & Mechanobiology 4	TuD7: Oral Session Microfluidics & Organ-on-Chip 2	TuD8: Oral Session Computational Modelling and Simulation 3	

ICBME 2024 - Program Overview

Wednesday, 11 Dec 2024

Venue	Engineering Auditorium	LT7A	EA-02-11	EA-06-02	EA-06-03	EA-06-04	EA-06-05	EA-06-07	Others	
08:30 - 13:30	Registration EA Level 1 Foyer									
09:15 - 10:45	WeA1: Special Symposium Engineering Mechanobiology 4	WeA2: Special Symposium Wearable Technologies 3	WeA3: Special Symposium Red Blood Cell Mechanics for Diseases & Diagnosis	WeA4: Special Symposium Flexible and Stretchable Electronics for Biomedical Engineering	WeA5: Oral Session Biomaterials 5	WeA6: Oral Session Biomarkers Discovery and Cell Therapy	WeA7: Oral Session BioRobotics & Medical Devices 1			
10:45 - 11:00	Coffee Break EA Level 1 Foyer and Level 6 Lobby								Poster Session 3 EA Level 1 Foyer	
11:00 - 12:30	WeB1: Special Symposium Immunoengineering 1	WeB2: Special Symposium Bioelectronics 1	WeB3: Special Symposium From Lab Bench to Market: How to Commercialize Your Research?	WeB4: Special Symposium Bioprinting and Microphysiological Systems 2	WeB5: Oral Session Microfluidics & Organ-on-Chip 3	WeB6: Oral Session Biomechanics & Mechanobiology 5	WeB7: Oral Session BioRobotics & Medical Devices 2			
12:30 - 13:30	Lunch EA Level 1 Foyer	IEEE EMBS Panel on Medtech Translation & Commercialization	Lunch EA Level 1 Foyer						Poster Session 3 EA Level 1 Foyer	EmpowerHER Hour Women in BME Lunch Session T-Lab Level 10 Foyer
13:30 - 14:15	PL7: Plenary Lecture Biomechanical Design and Evaluation of Implantable and Interventional Devices Yubo FAN									
14:15 - 15:45	WeC1: Special Symposium Immunoengineering 2	WeC2: Special Symposium Bioelectronics 2	WeC3: Special Symposium Clinical Orthopaedic Biomechanics	WeC4: Special Symposium Multimodal Opto- Ultrasound Sensing and Imaging 2	WeC5: Oral Session 3D Printing & Additive Manufacturing 4	WeC6: Oral Session Bio-Micro / Nanotechnologies 3	WeC7: Oral Session Therapeutics and Theranostics 1	WeC8: Oral Session Neuroengineering / Neurotechnology 1		
15:45 - 16:00	Coffee Break EA Level 1 Foyer and Level 6 Lobby								Poster Session 3 EA Level 1 Foyer	
16:00 - 17:30	WeD1: Special Symposium In Honour of Prof C.T. Lim Symposium	WeD2: Special Symposium Current Status and Future Direction of the BME Translational Research in Asia	WeD3: Special Symposium Nanoscale Mechanobiology 2	WeD4: Oral Session Biomedical Engineering Education, Training & Professional Development	WeD5: Oral Session Flexible Electronics & Wearable Technologies 1	WeD6: Oral Session Bio-Micro / Nanotechnologies 4	WeD7: Oral Session Therapeutics and Theranostics 2	WeD8: Oral Session Neuroengineering / Neurotechnology 2		
19:00 - 22:00	Gala Dinner Marina Bay Sands Expo and Convention Centre									

ICBME 2024 - Program Overview

Thursday, 12 Dec 2024

Venue	Engineering Auditorium	LT7A	EA-02-11	EA-06-02	EA-06-03	EA-06-04	EA-06-05	EA-06-07	Others								
08:30 - 09:15	PL8: Plenary Lecture Designed Synthesis and Assembly of Inorganic Nanomaterials for Medical and Healthcare Applications <i>Taeghwan HYEON</i>																
09:15 - 10:45	ThA1: Special Symposium Immunoengineering 3									ThA2: Special Symposium Bioelectronics 3	ThA3: Oral Session Global Health & Frugal Innovation	ThA4: Oral Session AI in Healthcare 2	ThA5: Oral Session Flexible Electronics & Wearable Technologies 2	ThA6: Oral Session Biomedical & Clinical Imaging			
10:45 - 11:00	Coffee Break <i>EA Level 1 Foyer and Level 6 Lobby</i>																
11:00 - 11:45	PL9: Plenary Lecture AI Egen-based Photodynamic Therapy <i>Bin LIU</i>																
11:45 - 12:00	Closing Ceremony and Awards Ceremony																