Time	【BMFSA2025】Dec. 13th, Sat: Day 1			【ICCMEH2025】Dec. 13th, Sat: Day 1						
	Room A (Lecture Room 1)	Room B (Lecture Room 2)	Room C (Terminal Room1)	Room D (Seminar Room 3)	Room E (Seminar Room 4)					
8:30		BMFSA2025 & ICCMEH2025 Registration 8:30~ (Entrance Area)								
10:00-10:20	Opening Ceremony (Room C) Chair: Masaaki Tamagawa (Kyutech)									
10:20-10:30	Break ICS-K1:Keynote Speech 1 (Room C)									
				Chair:Kamarul Ar	rifin Ahmad(UPM)					
10:30-11:30					Externally Adjustable Fluid Film Bearing The Shenoy B					
				(Department of Aeronautical and Automobile Engineering, MIT, MAHE, India)						
	Board of Directors and Council of BMFSA Lunch			Lunch (Lunch Box)	Commitee Meeting of ICCMEH(Seminar Room 4)					
11:30~13:00	11:30~12:30, Roo		30, Room B		11:30~12:30, Room E					
	BMF1-A1: Education, Cognition and	BMF1-B1: Sports Engineering and	BMF1-C1: Fuzzy Theory and	Hall and Lounge ICS1-D1:Industrial Application by CFD	ICS1-E1: Biomechanics					
L	_earning Support	Human Motion	Optimization							
•	Chair: Satoru Takagi (Waseda Univ.)	Chiar: Fumihiko Mori (Tamagawa Univ.)	Chiar: Hiroaki Uesu (Kanazawa Inst. Tech.)	Chiar:Mohhamad Zuber (MAHE)	Chair:Adi Azriff Basri(UPM)					
S	Structures Based on Learners'	B003 A Preliminary Study on the Standardization of Movement Speed in Blind Football	Optimization Algorithm for Optimization	ICCMEH23 CFD-Based Design Optimization of a C-D Rocket Nozzle Using the Response Surface Methodology Approach on Exhaust Plume Characteristics and Thrust profile	ICCMEH19 Numerical Investigation of the Impact of Arterial Stiffness on Hemodynamics in the Carotid Artery Using a Multiphase Flow Model					
	Yuna OKUYAMA, Satoru TAKAGI	Masato OTAKE, Yasukazu HASHIGUCHI, Ryoji ISANO, Shuji SAKAMOTO, Akihito KOAKUTSU		Izzat Najmi Mohd Yaacob (Department of Aerospace Engineering, Faculty of Engineering, Universiti Putra Malaysia)	Sai Kireeti (Department of Mechanical and Industrial Engineering, Manipal Institute of Technology, Manipal Academy of Higher Education)					
lı	nstructional Material Structures hrough Fuzzy Theory–Based Analysis	A019 Racket Head Acceleration as an Indicator of Upper Limb Movement Efficiency: The Potential for Relaxation Level Assessment Using a Single IMU	Using Heuristic Optimization	ICCMEH21 Effect of Turbulence on the Steady-State Lubrication Performance of Four-Pad Adjustable Bearings under Different L/D Ratios	ICCMEH24 Mechanical Characterization of the Human Ascending Aorta Using a Transversely Isotropic Fung-Type Hyperelastic Model with Initial Tangent Moduli under Force-Controlled Biaxial Testing					
	Taisei YAMAGA, Satoru TAKAGI	Haruki MARUME, Hideaki ORII and Hideaki KAWANO		Girish Hariharan (Department of Mechanical & Industrial Engineering, Manipal Institute of Technology, Manipal Academy of Higher Education, Manipal, India)	Hiroshi Yamada (Department of Biological Functions Engineering, Kyushu Institute of Technology)					
C	Created by Generative AI	B010 A Fundamental Study on an Upper Limb Joint Angle Estimation System for Complex Movements Yusuke GOTO, Eiichi INOHIRA	Coefficients Based on Random Resampling Data	ICCMEH08 Fundamental Study on the Improvement of Antifouling Performance of Ship Hulls Using Vibrating Shark Skin Sawa Danjo (Department of Mechanical Engineering, Kyushu Institute)	ICCMEH03 Effects of different surface coatings on taper junctions of partial hip implants: A finite element wear study Satish Shanov B((Department of Aeronautical and Automobile)					
	SHIRAHAMA			of Technology)	Engineering, MIT, MAHE)					
14:00-14:10				Break						
	BMF1-A2: Medical Treatment, Nursing and Health Sciences	BMF1-B2: Welfare, Parasportsand Social Systems	BMF1-C2: Al and Emotional Information Processing	ICS1-D2:Biomedical Devices 1	ICS1-E2:Data Analysis by Sensor					
C	Chiar: Hiroko Noto (Kyushu Univ.)	Chair: Yasukazu Hashiguchi (Nihon Univ.)	Chiar: Naruki Shirahama (Shimonoseki City Univ.)	Chair: Nobuo Sakai (Kyutech)	Chair: Kazuto Takashima (Kyutech)					
ד انا	3001 A Fundamental Investigation of Thrombus Formation Around Peripheral ntravenous Catheters for Infants Using Flow and Structural Analyses	A015 Mental Disorders and Criminal Responsibility		ICCMEH07 Explicit Dynamics and CFD Modelling of Blood Leakage Phenomena Following Needle Injection	ICCMEH02 Comparative Analysis of Shear Stress Distribution and Bending Performance in Multi-Geometry Soft Pneumatic Finger					
,	Yuko MIYAMURA, Masaaki TAMAGAWA	Toru YUKIMASA	·	Adi Azriff Basri(Department of Aerospace Engineering, Faculty of Engineering, Universiti Putra Malaysia)	Hrishikesh P Shastry (Department of Mechanical and Industrial Engineering, Manipal Institute of Technology, Manipal Academy of Higher Education)					
14:10-15:10 F		B004 A Literature Review on Coach Development in Parasports	'	ICCMEH05 Evaluation of Influence of Various Parameters on Penetration Accidents during Endovascular Treatment	ICCMEH01 Shape-Memory Polymer–Based Force Sensor with Programmable Sensitivity via Structural and Stiffness Modulation					
S	SAEKI, Kaori KUDO, Chie SHIMOYAMA,	Yasukazu HASHIGUCHI, Masamitsu ITO, Ryoji ISANO, Takayuki KOYAMA, Wakaki UCHIDA		Hiroto Hidaka(Graduate School of Life Science and Systems Engineering, Kyushu Institute of Technology)	Sourav Roy (Graduate School of Life Science and Systems Engineering, Kyushu Institute of Technology, Kitakyushu)					
Т	Treatment for Palmoplantar Pustulosis	B007 A Study on Methods for Acquiring and Analyzing Ambiguous Information in Kyudo		ICCMEH10 CFD and Structural Analysis for Preventing Thrombus Formation around a Peripheral Intravenous Catheter for Infants	ICCMEH18 Comparison of Feature Combinations for Unstable Gait Recognition Using a Single Inertial Sensor and Machine Learning					
	Takeshi YAMAKAWA	Fumihiko MORI	Shoki ARITA, Toshihiko WATANABE	Yuko Miyamura((Department of Nursing, Faculty of Fukuoka Medical Technology, Teikyo University)	Kodai Kitagawa (Mechanical and Medical Engineering Course, National Institute of Technology (KOSEN), Hachinohe College)					
15:10-15:20		BMF-	S1: BMFSA2025 & ICCMEH2025 Keynoto	Break E Lecture 1 (Remote Lecture Room 1, Academic Information Center)						
				lasaaki Tamagawa (Kyutech)						
15:20-16:20	Digital Transformation (DX) for Nursing Care Prof. Sozo INOUE (Graduate School Life Science and System Eng., Kyushu Insititute of Technology, Japan)									
16:20-16:30		Break								
	ICS-K2:BMFSA2025 & ICCMEH2025 Keynote Speech 2 (Remote Lecture Room 1, Academic Information Center)									
	Chair: Hiroshi Yamada (Kyutech) Physiological Mechanisms Optimizing Quiet Standing Posture									
16:30-17:30	Assoc. Prof. Testuya Kimura (Graduate School of Human Development and Environment, Kobe University)									
	Transportation to Knowledge Sharing Meeting ①Direct bus from Kitakyusyu Science and Research Park to venue hotel (18:00 departure),									
17:30-19:00	©By public transportation ©By public transportation Kitakyusyu Science and Research Park – (bus) – JR Orio Station – (train) – JR Kurosaki Station – (on foot) – venue Kitakyusyu Science and Research Park – (bus) – Kurosaki Station – (on foot) – venue									
19:00-21:00	BMFSA2025 & ICCMEH2025 Knowledge Sharing Meeting for Invited Guests Hotel Crown Palace, Kitakyushu									

	【BMFSA2025】Dec. 14th, Sun: Day 2			【ICCMEH2025】 Dec. 14th, Sun: Day 2			
Time	Room A (Lecture Room 1)	Room B (Lecture Room 2)	Room F (Terminal Room2)	Room D (Seminar Room 3)	Room E (Seminar Room 4)		
8:30	BMFSA2025 & ICCMEH2025 Registration 8:30~ (Entrance Area)						
	BMF2-A1: Self-Organizing Map BMF2-B1: Medical Engneering BMF2-F1: Blood Flow Analysis and Medical Decice Engineering Chiar: Matashige Oyabu (Kanazawa		ICS-K3:Keynote Speech 3 (Room C) Chair: Kazuto Takashima (Kyutech)				
	Inst.Tech.) S101 Comparison Study of the	Chiar: Kento Morita (Mie Univ.) B009 Evaluation of Asymptomatic	Chiar: Eiichi Inohira (Kyutech) B005 Investigation of the Generation	Non-Newtonian Flow Numerical Simulation and Complication Study			
	Properties of SOM and K-means Methods in Clustering Analysis	Carotid Plaques Using Multimodal MRI Radiomics — Comparison Between Two Prediction Targets (Onset of Cerebral Infarction and Treatment Eligibility) —	Mechanism of Korotkoff Sounds by Fluid–Structure Interaction Analysis Considering Vascular Elasticity	in a Mechanical Heart Valve			
	Matashige OYABU S102 A study on learning times and data processing using spherical SOM	Kei MIZOBE, Hideo AIHARA, Tomokazu HAYASHI, Tetsuya URATA, Naomi YAGI, Syoji KOBASHI A011 Panoramic X-ray Image	Kaito SAGARA, Yuko MIYAMURA, Yoji YAMAMOTO, Takeshi Tachibana, Tetsuya KIMURA, Masaaki TAMAGAWA B006 Clarification of the Relationship Between Deformation and Internal	Prof. Kamarul Arifin Ahmad (Department of Aerospace Engineering, Faculty of Engineering, Universiti Putra Malaysia) ICS-K4:Keynote Speech 4 (Room C) Chair: Jin Nakamura (Kyutech)			
9:00-10:20	tool with simultaneous front and back display <i>Heizo TOKUTAKA, Masaaki OHKITA,</i>	Using Automatic Mandible Extraction with TotalSegmentator Ichi HASEGAWA, Kento MORITA, Junya	YAMAMOTO, Takeshi TACHIBANA, Tetsuya KIMURA, Masaaki TAMAGAWA				
	Gen NIINA, and Matashige OYABU S103 Analysis of the Characteristics of Cherry Trees in the Western Part of						
	Tottori Prefecture Using the Spherical Takeo YOSHIOKA, Masaaki OHKITA, Heizo TOKUTAKA	Manami INOUE, Kento MORITAI, Takehiro FUJII, Tatsuki SANO, Kaoru DOHI and Tetsushi WAKABAYASHI	Yuta TOMOHIRO, Masaaki TAMAGAWA, Yuko MIYAMURA				
		A014 Influence of Ground-Truth Labels					
		on Mitochondrial Segmentation from Shadow-Based Imaging Taiyo SATO, Motohiro NOZUMI, Yoshitaka OHTUBO and Keiichi HORIO					
10:20-10:30		Break		Nano-enhanced Ecocomposites for High	h-Performance Sustainable Applications		
	BMF2-A2: IoT& Fuzzy System	BMF2-B2: Measurement and Physical Informatics					
	Chiar: Naofumi Nakaya (Juntendo Univ.) A016 A Stable Image Transmission	Chiar: Takanori Matsuzaki (Kinki Univ.) A007 A Guitar Practice Support System		Asoc. Prof. Norkhairunnia Mazlan (Department of Aerospace Engineering, Faculty of Engineering, Universiti Putra Malaysia)			
	IoT using Ultra-Lightweight Image	for Beginners via String-Level Detection of C Chords					
	Yuto GOTO, Ryota SHIMAMURA, Riku Akishige TANAKA, Hideaki ORII, and HAMAKAWA, Hideaki ORII, and Hideaki Hideaki KAWANO KAWANO			В	reak		
	A017 A Personalized Fuzzy-Based Walking Assistance System Incorporating the Biophysical and	B008 In-Hospital Verification of Radio Signal Reception Strength of Medical Telemetry Systems		ICS2-D3:Computational Flow Analysis	ICS2-E3:Biomedical Devices 2		
	Cognitive Characteristics of Visually Atsushi YOSHIDA, Atsushi SUGIMOTO,			Chair:Kamarul Arifin Ahmad(UPM)	Chair:Adi Azriff Basri(UPM)		
	Hedeaki ORII, and Hedeaki KAWANO A020 Development of a Fuzzy Irrigation Support System for Water-Stress	A013 Analysis of mystery on the neutron induced total reaction cross sections		ICCMEH22 Experimental study on oleic acid-stabilized SiO₂ nanolubricants: Influence on viscosity, thermal, and lubricity properties	ICCMEH11 Development of biopolymer-based organ-on-chip device using sacrificial microchannel template to study the effect of		
	Control in Potted Cherry Tomato Cultivation: Human-in-the-Loop Control Including a Dry-Soil Mode			of VG 32 based mineral oil	physiochemical gradient on cellular migration		
	Tousei KURITA, Hideaki ORII, and Hideaki KAWANO	Masahiro NAKANO, Yuji YAMAGATA, and Yusuke UOZUMI		Girish Hariharan (Department of Mechanical & Industrial Engineering, Manipal Institute of Technology, Manipal Academy of Higher Education, Manipal, India)	Rudra Nath Ghosh (Department of Biomedical Engineering, Manipal Institute of Technology, Manipal Academy of Higher Education, Manipal)		
		Lunch		ICCMEH04 CFD Analysis of Korotkoff Sounds in Auscultatory Blood Pressure Measurement	ICCMEH16 Development of Automated Puncture System Using a Robotic Arm		
11:30-13:00	11:30-13:00			Kaito Sagara (Graduate School of Life Science and Systems Engineering, Kyushu Institute of Technology)	Yuta Tomohiro (Department of Mechanical Engineering, Kyushu Institute of Technology)		
				Lunch (Lunch BOX) 11:50-13:00 Hall and Lounge			
				ICS1-D3:Medical Mesurement and Simlutaion	ICS2-E3:Al and Data Analysis for Medicine		
				Chair: Nobuo Sakai (Kyutech) ICCMEH14 Effects of Jet Flow Cycles on Contactless Continuous Blood			
				Pressure Measurement Kota Taoka (Graduate School of Life Science and Systems	Using Deep Neural Network in Panoramic Radiographs V. Damodaran (Amrita Vishwa Vidyapeetham Chennai, India)		
13:00-14:00	General Meeting	g, Student Encouragement <i>A</i>		Engineering, Kyushu Institute of Technology) ICCMEH13 Development of Non-Contact Blood Pressure Measurement	ICCMEH27 Demographic and Bilateral Variations in Carotid Artery		
		ure Room 1, Academic Inforr	mation Center)	Method by Millimeter-Wave Radar and Jet Flow Ayumu Katayama (Graduate School of Life Science and Systems Engineering, Kyushu Institute of Technology)	Geometry: A CT-Based Analysis of Age- and Gender-Dependent Kevin Amith Mathias (Department of Mechanical & Industrial Engineering, Manipal Institute of Technology,		
				ICCMEH25 Patient-Specific Simulation of Obstructed Ureter: A	Manipal Academy of Higher Education, Manipal, India.) ICCMEH12 Predicting Newborn Genetic Diseases Using DNA		
				Computational Approach to Urine Flow Dynamics Laxmikant G Keni(Department of Aeronautical and Automobile Engineering, Manipal Institute of Technology, Manipal Academy of	Sequences and Machine Learning V. Damodaran (Amrita Vishwa Vidyapeetham Chennai, India)		
14:00-14:10				Higher Education) Break			
				ICS2-D4: Biofluid Dynamics	ICS2-E4: Al Application for Medicine		
				Chair: Adi Azriff Basri (UPM) ICCMEH15 Effects of Clearance and Wall Shear Stress on Thrombus Formation for TAVI Paravalyular Logicago Models by CED	Chair: Satish Shenoy B (MAHE) ICCMEH06 Deep Learning-Driven Navigation Aids for the Visually Impaired: A Systematic Poviny of Somantic Sogmentation Based		
				Formation for TAVI Paravalvular Leakage Models by CFD James E. Jones III (Graduate School of Life Science and Systems Engineering, Kyushu Institute of Technology)	Impaired: A Systematic Review of Semantic Segmentation-Based Approaches B. Padmavathy(Department of Computer Science and Engineering, Sri Venkateshwara College of Engineering, Visvesvaraya Technological		
14:10-15:10				ICCMEH20 Computational Flow Analysis of Thrombus Suppression in a Venous Valve using Concentration Transport Equation	University) ICCMEH17 Early PCOS Detection and Support through a Mobile Application: Integrating Machine Learning and Lifestyle Tracking System		
				Ryuto Kozuki (Graduate School of Science and Technology, Niigata University)	Napa Lakshmi (School of Computer Engineering, Manipal Institute of Technology Bengaluru, Manipal Academy of Higher Education, Manipal, India)		
				ICCMEH26 Hemodynamic Effects of Heart Rate Variability in the Abdominal Aorta–Renal Artery Region: A Computational Fluid Dynamics Investigation			
				Gowrava Shenoy B (Department of Mechanical and Industrial Engineering, Manipal Institute of Technology, Manipal Academy of Higher Education, Manipal)			
15:10-15:20				Br	eak ards & Closing Remarks (Room C)		
15:20-15:30	30			100 MEN 12020 F Tesentation Awa			