

PROGRAM

【August 6 ,Sunday】

1st day	14:00	Technical Tour (Tokyo University of Science)
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【August 7 ,Monday】

	9:30	Opening: Hiroshi Suemasu	
		Title	Presenter
2nd day	No. 1	Session Chair	H. Suemasu (Sophia University)
	9:40	Plenary Lecture Current Status of Carbon Fiber Reinforced Plastic (CFRP) Applications to Automotive Bodies and Introduction of CFRTP Application to Auto-Body Project Conducted in National Composites Center (NCC) Japan.	T. Ishikawa (Nagoya University)
	10:20	Invited Presentation REPAIR AND REHABILITATION OF OILFIELD PIPELINES USING FIBRE-REINFORCED COMPOSITE MATERIALS	K.H. Leong (PETRONAS Research), D.J. Wong (PETRONAS Carigali), Y.C. Tan, W.S. Sum,A.Y.L. Leong (PETRONAS Research)
	10:40	Invited Presentation Fabrication and Characterization of Abaca-Glass Fiber-Epoxy Hybrid Composites	Marissa A. Paglicawan (Industrial Technology Development Institute Department of Science and Technology), Arnaldo Valino (Mapua Institute of Technology), Byung Sun Kim (Korea Institute of Materials Science)
	11:00	Coffee Break	
2nd day	No. 2	Session Chair	V. Tan (NUS)
	11:30	<i>General Presentation</i> Analytical study on instability of multiple delaminations of axisymmetric composite laminates subjected to transverse loading	H. Suemasu (Sophia University)
	11:50	Invited Presentation Effects of Single-Walled Carbon Nanotube & Hexagonal Boron Nitride on Tribological Properties for PEEK Composite Coatings	Worrawit Jhiteuakul Tippaban Palathai, Narongrit Sombatsompop (King Mongkut's University of Technology Thonburi)
	12:10	<i>General Presentation</i> Experimental micro-macro scale assessment of quasi-static response of thermoplastic composites	H. Wafai, A. Yudhanto, G. Lubineau (King Abdullah University of Science and Technology), R. Yaldiz, N. Verghese (SABIC)
	12:30	<i>General Presentation</i> Modal Analysis of Satellite Sandwich Panel: Approach to Reduce Jitter Effects	P. Santanarukarn, C. Tripiyopas (Kasetsart University), N. Hongkarnjanakul (Geo-Informatics and Space Technology Development Agency), P. Prombut (Kasetsart University)
2nd day	12:50	Lunch Break	
	No. 3	Session Chair	A. Yoshimura (JAXA)
	14:00	Plenary Lecture DISCRETE CRACK AND SMEARED CRACK METHODS IN PROGRESSIVE DAMAGE ANALYSIS OF COMPOSITES	T.E. Tay (National University of Singapore)
	14:40	Invited Presentation Development of an incremental forming method for CFRTP:Fundamental experiment using Localized heating in processing point.	Takashi ITO, Hidetake TANAKA, Tatsuki IKARI, Haruhisa SAKAMOTO (Sophia University)
	15:00	<i>General Presentation</i> DEVELOPMENT OF ANALYSIS SYSTEM BASED ON XFEM TO EVALUATE STRENGTH OF COMPOSITE STRUCTURES	T. Nagashima (Sophia University)
2nd day	15:20	Coffee Break	
	No. 4	Session Chair	T. Nagashima (Sophia University)
	15:50	<i>General Presentation</i> Adaptive Floating Node Method for Modelling the Fracture of Composite Materials	X. Lu, T.E. Tay, B.Y. Chen , V.B.C. Tan (National University of Singapore)
	16:10	<i>General Presentation</i> RESPONSE OF LAMINATED FLAX-CARBON HYBRID COMPOSITES WITH VARYING LAMINATION SCHEME UNDER BENDING	M. Ridha, U. Kureemun (National University of Singapore), T.L.Q. Ngoc (Singapore Institute of Manufacturing Technology), T.E. Tay, H.P. Lee(National University of Singapore)
	16:30	<i>General Presentation</i> Thermal, Electrical, and Mechanical Damage Simulation of CFRP Laminates Subjected to Impulse Electric Current	Shintaro Kamiyama (Tokyo University of Agriculture and Technology), Yoshiyasu Hirano (JAXA), Toshio Ogasawara (Tokyo University of Agriculture and Technology)
2nd day	16:50	<i>General Presentation</i> MOLECULAR DYNAMICS SIMULATION ON TENSILE DEFORMATION OF LONG-CHAIN PLA GENERATED BY INTRODUCTION OF PHOTODISSOCIABLE PROTECTING GROUPS	Mototsugu Tanaka, Naoki Seto, Hiroshi Saito , Isao Kimpura (Kanazawa Institute of Technology)
	18:00	Banquet	

【August 8 ,Tuesday】

		Title	Presenter
		Session Chair	T.E. Tay (NUS)
3rd day	No. 5		
	9:40	Plenary Lecture CONTINUUM DAMAGE MECHANICS MODELING OF COMPOSITE LAMINATES INCLUDING TRANSVERSE CRACKS	Tomonaga Okabe, Sota Onodera, Yuta Kumagai, Yoshiko Nagumo (Tohoku University)
	10:20	<i>General Presentation</i> A numerical study on nonlinear acoustic methods for damage imaging in composite laminates	A.K. Singh, T.E. Tay, V.B.C. Tan (National University of Singapore)
	10:40	<i>General Presentation</i> Statistical Static and Creep Strengths of Unidirectional CFRP	Yasushi Miyano, Masayuki Nakada (Kanazawa Institute of Technology)
3rd day	11:00	Coffee Break	
	No. 6	Session Chair	M. Tanaka (KIT)
	11:30	Invited Presentation Nanocomposite structure for organic photovoltaic devices	Nguyen Dinh Duc, Dang Dinh Long, Tran Quoc Quan (Hanoi - University of Engineering and Technology)
	11:50	Invited Presentation Designing New Composite Materials from Biopolymers	DH Camacho (De La Salle University)
	12:10	<i>General Presentation</i> Pellet fabrication method, fiber morphology and its mechanical properties of Bowing-short natural fiber composites	Junji Noda, Syotaro Hiramatsu (Kindai University)
	12:30	Invited Presentation Compression molding and light RTM for coconut fibers composites	T. TRUONG, L.Q .N.TRUONG, T.L.NGUYEN, P.D.T. VAN, M.T.NGUYEN (Cantho University), C. BUI (Hanoi - University of Engineering and Technology), A.W.V. VUURE (Catholic University of Leuven)
3rd day	12:50	Lunch Break	
	No. 7	Session Chair	T. Morimoto (JAXA)
	14:00	Invited Presentation Discrete Ply Model (DPM) of low-velocity impact response in aerospace composite structures	N.Hongkarnjanakula (Geo-Informatics and Space Technology Development Agency), C. Bouvetb, S. Rivallantb (Université de Toulouse)
	14:20	<i>General Presentation</i> High Fidelity Simulation of Low Velocity Impact Behavior of CFRP Laminate	Akinori Yoshimura (JAXA), Masaya Ebina, Kenichi Sakaue (Shibaura Institute of Technology), Anthony M. Waas (University of
	14:40	<i>General Presentation</i> Low-velocity impact of thermoplastic composites: effect of matrix ductility on absorbed energy and damage	A. Yudhanto, H. Wafai, S. Kumar, G. Lubineau (King Abdullah University of Science and Technology), R. Yaldiz, N. Verghese (SABIC)
	15:00	<i>General Presentation</i> NUMERICAL ANALYSIS ON BLAST AND PROJECTILES IMPACT RESISTANCE OF LAMINATED CARBON COMPOSITE STRUCTURE	Gunaryo, Bambang K. Hadi (Institute of Technology Bandung)
	15:20	Coffee Break	
	No. 8	Session Chair	T. Ogasawara (TUA&T)
3rd day	15:50	<i>General Presentation</i> PREDICTING POST-IMPACT COMPRESSION STRENGTH IN COMPOSITES: FROM SIMPLIFIED APPROACH TO HIGH-FIDELITY MODELLING.	M.R. Abir , T.E. Tay and H.P. Lee (National University of Singapore)
	16:10	<i>General Presentation</i> ISO/NP 21746 standard procedures of galvanic corrosion test for CFRP-metal assemblies	Tetsuya Morimoto, Hisaya Katoh, Eiichi Hara, Yutaka Iwahori (JAXA)
	16:30	<i>General Presentation</i> Impact Damage of Composite Sandwich Structures in Arctic Condition	K.T. Tan, Mohammed Elamin, Bing Li (The University of Akron)
	16:50	<i>General Presentation</i> EVALUATION OF LOADING RATE DEPENDENT FIBER/RESIN INTERFACE STRENGTH OF CFRP UNDER IMPACT	S. Amahata (Aoyama Gakuin University), Y. Yamazaki, J. Koyanagi (Tokyo University of Science),Yuelin Zhangand, S. Yoneyama (Aoyama Gakuin University)
	17:10	<i>General Presentation</i> Multi-scale analysis for impact fracture of CFRP rings	Jun Koyanagi, Y. Yamazaki, Y. Sawamura (Tokyo University of Science), S. Yoneyama (Aoyama Gakuin University)

【August 9 ,Wednesday】

4th day	10:00	Technical Tour (Sophia University)	
	12:00	Closing	