ISABMEC2022 Program 16-18 Nov, 2022

Keynote	Biomechanics of Microorganisms	
	Biomechanics and Biomimetics in Flying	
16th (Wed)	A	Tale
14:00	Opening remarks	litie
	Biomechanics and Biomimetics in Flying (1)	
14:15	Sanjay P. Sane	Flying in sync: how flight reflexes are coordinated in insects
15.00	Shota Hara, Yuto Maezawa, Toshiyuki Nakata and Hao Liu	Development of an insect-inspired unmanned aerial vehicle with thrust-
10.00		vectoring mechanism
15:15	Szu–I Yeh and Yi–Hsien Lee	Ground Effect Acting on Insect-like Wing Under Different Flapping Motion
15.20	Decel	
15:30	Dreak	
	Biomechanics of Microorganisms (1)	
15:45	Eleonora Secchi	What shapes bacterial biofilms? A Physics perspective
		Measurement of swimming speed and rotational speed of monotrichous
16:30	Hikaru Watanabe, Tonau Nakai and Tomonobu Goto	bacteria in polymer aqueous solutions
16:45	Takumi Orawa Tashihira Omori, Kenji Kikuchi and Takuji Ishikawa	Pumping Efficiency of Spongillidae's Choanocyte Chamber
10.40	Takuni Ogawa, Toshini O Onon, Kenji Kikuchi anu Takun Ishikawa	Fullping Enciency of Sponginidae's Onoanocyte Onamber
17th (Thu)		
Time (JST)	Author(s)	Title
	Biomechanics and Biomimetics in Swimming (1)	
10:00	Koraon Wongkamhaeng, Tosaphol Saetung Keetapithchayakul,	Mating behaviour of Cerapus sp. (Amphipoda: Ischyroceridae), a tube builder
	Patchara Dahaisawadi	ampnipod in Amphawa Estuary, the inner Guit of Thailand
10:45	Yuto Tanaka, Yuichi Sakai, Go Eguchi and Tsutomu Takagi	Apostichopus japonicus
11.00	T. Y	Locomotion Analysis of a River Snail by PIV and Displacement Measurement
11:00	Tetsuya fano	of the Foot Sole
11.15	Brook	
11.15		
	Biomechanics and Biomimetics in Swimming (2)	
11:30	Ayane Shinojima, Yuma Naka, Naoki Kawasaki, Masashi Ohara and	Development of a Small Robotic Fish with a Function to Tag Mackerel
	Togo Takada	Experimental Study of Propulsive Ability by a Swimming Robot Imitating a
11:45	Katsuya Kugai, Ryouta Irifune, Kaito Sanada and Riku Kishino	Bluefin Tuna
12:00	Akira Fukuhara, Riku Yokota, Takeshi Kano and Akio Ishiguro	Measurement of the Effect of Inter- and Intra-flipper Coordination on Swimming Performance Using a Plesiosaur-like Robotic Platform
10.15	Gen Li, Dmitry Kolomenskiy, Hao Liu, Ramiro Godoy-Diana,	Investigation on the swimming pattern of a magnetic-drive soft-robot by an
12:15	Benjamin Thiria and Thomas Engels	integrated numerical approach with fluid-structure-motion interaction
12:30	Fakhrur Razi and Motomu Nakashima	Development of the new swimming humanoid robot as an experimental
		A method for motion analysis of pariodically maying abiasts by using inactial
12:45	Daisuke Izutsu, Shotaro Ikemoto and Tsuyoshi Mizuguchi	sensor
12.00	Lunch	
13:00	Lunch	
	Biomechanics and Biomimetics in Swimming (3)	
15:00	Shunichi Kobayashi, Toshiki Kimura, Daichi Sako, Yuichiro Akune	Motion Analysis of Dolphin during Tail Walk
	and Tomoko Mori Vachinghu Inada, Rugua Takateuki, Mitsuhira Mari and Yayai	Sound and Impact Attenuation Effect of the Small Tuberales on the Dersel
15:15	Yoshida	Ridge of Finless Porpoise
15.30	Tajahi Asana and Akitashi Ita	The effect of moving texture patterns on the behavior of Japanese Killifish
10.00		'Medaka' and the possibility of the behavior control
15:45	Go Eguchi, Shinsuke Torisawa, Kohsei Takehara and Tsutomu	Fish staying against flow without tail beating at stagnant area in front of
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16:00	Break	
	Riemachanics of Microorganisms (2)	
10.15		
10:15	Marco Polin	Phototaxis of microalgae: lessons from Chlamydomonas an Micromonas
17:00	Hiroshi Yamashita, Touya Kamikubo, Kazuki Muku, Nobuhiko J.	Bioconvection of Euglena suspension under heterogeneous light condition
	Suematsu and Makoto lima	
18th (Fri)		
Time (JST)	Author(s) Biomechanics and Biomimetics in Elving (2)	l itle
10.45	Chihiro Fukui, Tomoya Uchida, Yuji Sukekawa, Ryohei Kanzaki and	Improvement of electroantennography-based sensor performance for odor
10:45	Daigo Terutsuki	source localization by a small drone
11:00	Atsushi Kase and Rvota Kaigawa	Influence of wing planer shape on aerodynamic performance of flapping wing
	Kanjahira Shimazaki Takumi Suzimata Ujusturi Taka and	simulating mosquito
11:15	Hidetoshi Takahashi	A force plate using a polyimide tilm-based tlat spiral springs for measuring the body part mass of fruit flies
11.00	Vueuko Euiita and Makata Iima	Aerodynamic performance and vortex motion of corrugated wing started
11:30	i usuke rujita and makoto lima	impulsively
11:45	Jinqiang Dang, Tomoya Fujii and Hiroto Tanaka	Design of a hummingbird-mimetic flexible wing with elastic passive
	· - · · ·	reamening rotation innitation mechanism Effects of owl-inspired trailing-edge fringes on the three-dimensional
12:00	Jiaxin Rong and Hao Liu	aeroacoustic characteristics of a flat plate model
12:15	Closing remarks	