

The 24th East Asia Round Table Meeting &International Symposium

- ☐ Date :Thursday, October 21, 2021
- ☐ Venue : Online Virtual Meeting
- ☐ Host: CAE (Beijing, P.R.China)
- ☐ Program at a Glance

08:45-14:00 (GMT+8)	International Symposium on Micro-electromechanical Systems (MEMS) - MEMS for Automobiles - MEMS for Healthcare - MEMS in Other Fields
14:30-16:00 (GMT+8)	The 24 th EA-RTM (Closed-door Meeting)

The 24th EA-RTM Symposium on Micro-electromechanical Systems (MEMS)

8.45am-2.00pm (GMT+8)		
Thursday, October 21, 2021		
Online Meeting (ZOOM ID: 946 2969 7412, Pin: 087451)		
Opening Session (Moderator: Prof. Qi Tian)		
08:45-08:50	Welcome Address	Prof. Chen Wang
		Vice President, the Chinese Academy of Engineering (CAE)
08:50-08:55	Address	Prof. Yuko Harayama
		Vice President, the Engineering Academy of Japan (EAJ)
08:55-09:00	Address	Prof. Oh-Kyong Kwon
		President, the National Academy of Korea (NAEK)
Session 1: MEMS for Automobiles		
09:00-09:01	Introduce Three Speakers	Moderator: Prof. Yanyi Huang, Peking University
09:01-09:16	Automotive MEMS and Digital Twin Based Intelligent Manufacturing	
	Prof. Sheng Liu, School of Power and Mechanical Engineering, Wuhan University	
09:16-09:31	MEMS Micromirrors for Automobiles	
	Prof. Toshiyuki Tsuchiya, Department of Micro Engineering , Kyoto University	
09:31-09:46	MEMS Technology and Automobiles	
	Prof. Dongil Dan Cho, Department of Electrical and Computer Engineering, Seoul National University	
09:46-10:00	Q&A, Discussion	
10:00-10:10	Break	
Session 2: MEMS for Healthcare		
10:10-10:11	Introduce Three Speakers	Moderator: Prof. Sheng Liu, Wuhan University
10:11-10:26	Engineering Approaches in the Development of Broad-spectrum Antiviral Therapies	
	Prof. Nam-Joon Cho, School of Materials Science and Engineering, Nanyang Technological University	
10:26-10:41	Highly Accurate Nucleic Acids Quantification and Analysis Through Microfluidics	
	Prof. Yanyi Huang, Academy for Advanced Interdisciplinary	

	Studies, Peking University	
10:41-10:56	Wearable MEMS Sensors for Human or Animal Health Care	
	Assistant Prof. Hirofumi Nogami, Faculty of Engineering, Kyushu University	
10:56-11:10	Q&A, Discussion	
11:10-13:00	Lunch/Break Time	
Session 3: MEMS in Other Fields		
13:00-13:01	Introduce Three Speakers	Moderator: Prof. Honglong Chang, Northwestern Polytechnical University
13:01-13:16	Development of Flexible Haptic Device Based on Ultra-thin PZT/Silicon Vibrator Array	
	Ph.D., Senior Researcher Toshihiro Takeshita, Sensing System Research Center, National Institute of Advanced Industrial Science and Technology	
13:16-13:31	Opto-thermal Actuation of Shape Memory Alloy	
	Prof. Sung-Hoon Ahn, Department of Mechanical Engineering, Seoul National University	
13:31-13:46	MEMS for Aerospace Applications	
	Prof. Honglong Chang, School of Mechanical Engineering, Northwestern Polytechnical University	
13:46-14:00	Q&A, Discussion	
14:00-14:30	Break	
The 24th East Asia Round Table Meeting (Closed-door Meeting)		
(Moderator: Prof. Chen Wang)		
2.30pm-4.00pm (GMT+8)		
Thursday, October 21, 2021		
Online Meeting (ZOOM ID: 946 2969 7412, Pin: 087451)		
14:30-15:00	Academy Activities (CAE, EAJ, NAEK)	
15:00-15:40	Report on the Joint Survey (CAE)	
15:40-15:55	Proposal on the 25 th EA-RTM (EAJ)	
Approximately 16:00	Close	