

The 13th MEMS Engineer Forum 2022  
Program Schedule

## MEMS Engineer Forum (MEF)2022 Program Schedule

April 20, 2022 (JST, CST, MYT, SGT, CEST)/April 19-20, 2022(PDT, EDT)												
JST Start time	JST Ending Time	Length	Presentation Title	Prefix	1st Name	Last Name	Affiliation	JST UCT+9	CST/MYT/SGT UCT+8	USA(PDT) UCT-7	USA(EDT) UCT-4	CEST UTC+2
9:10	9:20	0:10	Opening	Prof.	Shuji	Tanaka	Tohoku University	9:10	8:10	17:10	20:10	2:10
<b>Session: New Areas for MEMS Innovation 1 - Biomedical -</b>												
9:20	10:00	0:40	Exponential Disruption of Medical Imaging	Dr.	Janusz	Bryzek	EXO	9:20	8:20	17:20	20:20	2:20
10:00	10:25	0:25	Commercialization of an AI-nanopore Platform to Revolutionize Inspection Systems	Prof.	Masateru	Taniguchi	Osaka University	10:00	9:00	18:00	21:00	3:00
10:25	10:35	0:10						10:15	9:15	18:15	21:15	3:15
<b>Session: Main Stream of MEMS 1</b>												
10:35	11:00	0:25	tinyML Solution for New Data Driven World	Dr.	Evgeni	Gousev	Qualcomm Technologies, Inc.	10:35	11:00	18:35	21:35	3:35
11:00	11:25	0:25	Near-infrared spectrometer using MOEMS technology	Ms.	Anna	Yoshida	Hamamatsu Photonics K.K.	11:00	10:00	19:00	22:00	4:00
11:25	11:50	0:25	Development of OCT products by using MEMS technology	Dr.	Keiji	Isamoto	santec corporation	11:25	10:25	19:25	22:25	4:25
11:50	12:40	0:50						11:15	10:15	19:15	22:15	4:15
<b>Exhibitors' Presentation &amp; Exhibit Hour</b>												
12:40	13:40	1:00	Exhibitor Presentation					12:40	11:40	20:40	23:40	5:40
13:40	15:05	1:25	Exhibit Hour					13:40	12:40	21:40	0:40	6:40
<b>Session: Main Stream of MEMS 2</b>												
15:05	15:30	0:25	Bosch MEMS Foundry	Dr.	Georg	Bischopink	Robert Bosch GmbH, Germany	15:05	14:05	23:05	2:05	8:05
15:30	15:55	0:25	MEMS Development and Fabrication During the Current Challenging Time	Dr.	Rakesh Chand	Tripathi	Vanguard International Semiconductor C	15:30	14:30	23:30	2:30	8:30
15:55	16:05	0:10	Break					15:15	14:15	23:15	2:15	8:15
<b>16:05-16:55 Exhibitors' Presentation &amp; Exhibit Hour</b>												
16:05	17:05	1:00	Exhibitor Presentation					16:05	15:05	0:05	3:05	9:05
17:05	17:15	0:10	Break					17:05	16:05	1:05	4:05	10:05
<b>Session: New Areas for MEMS Innovation 2</b>												
17:15	17:40	0:25	What is the fuel that will propel the MEMS market growth?	Dr.	Dimtros	Damianos	Yole Développement	17:15	16:15	1:15	4:15	10:15
17:40	18:05	0:25	Large-Area Sensing Surfaces and Human Machine Interfaces Enabled by Hybrid Printed Electronics	Dr.	Peter	Zalar	HOLST Centre	17:40	16:40	1:40	4:40	10:40
18:05	18:30	0:25	MEMS technologies in an ever more demanding world	Dr.	Samer	Dagher	CEA-Leti	18:05	17:05	2:05	5:05	11:05
April 21, 2022 (JST, CST, MYT, SGT, CEST)/April 20-21, 2022(PDT, EDT)												
JST Start time	JST Ending Time	Length	Presentation Title	Prefix	1st Name	Last Name	Affiliation	JST UDT+9	CST/MYT/SGT UDT+8	USA(PDT) UDT-7	USA(EDT) UDT-4	CEST UTC+2
<b>Special Session: Environmental Technology</b>												
8:40	8:45	0:05	2nd Day Opening	Mr.	Masahiko	Tanaka	SPP Technologies Co., Ltd., Japan	8:40	7:40	16:40	19:40	1:40
8:45	9:25	0:40	The climate neutral company - How Bosch has become carbon neutral by 2020 and where to go further	Mr.	Klaus	Meder	Bosch Corporation, Japan	8:45	7:45	16:45	19:45	1:45
9:25	9:50	0:25	Application of Sensing Technology in Small-scale Decentralized Water Recycling System	Mr.	Shohei	Okudera	WOTA CORP.	9:25	8:25	17:25	20:25	2:25
9:50	10:00	0:10	Break									
<b>Session: New Areas for MEMS Innovation 3 and Panel Discussion</b>												
10:00	10:40	0:40	The Impact of Key New Technologies and Capabilities on the Future of MEMS	Dr.	Kurt	Petersen	Silicon Valley Band of Angels	10:00	9:00	18:00	21:00	3:00
10:40	11:05	0:25	Lessons Learned from 10+ Years of Epi-Seal Fabrication Runs at Stanford	Dr.	Thomas	Kenny	Stanford University	10:40	9:40	18:40	21:40	3:40
11:05	12:05	1:00	What are the New areas for MEMS Innovation and New MEMS Products?	Mr. Dr. Prof. Prof. Mr. Dr.	Susumu Kurt Thomas Weileun Klaus Georg	Kaminaga Petersen Kenny Fang Meder Bischopink	SPP Technologies Co., Ltd., Japan Silicon Valley Band of Angels Stanford University National Tsing Hua University, Taiwan Bosch Corporation in Japan Robert Bosch GmbH, Germany	11:05	10:05	19:05	22:05	4:05
12:05	12:50	0:45	Lunch Time					12:05	11:05	20:05	23:05	5:05
<b>Special Session: Medical Robotics</b>												
12:50	13:30	0:40	Integration of Bio-Mechatronics, Biomedical Instrumentation, and Bioscience for Minimally Invasive Therapies	Prof.	Ichiro	Sakuma	The University of Tokyo	12:50	11:50	20:50	23:50	5:50
<b>Session: Main Stream of MEMS 3</b>												
13:30	13:55	0:25	AI Enabled Touch User Interface for Smart Surfaces	Mr.	Mo	Maghoudnia	UltraSense Systems Inc.	13:30	12:30	21:30	0:30	6:30
<b>Exhibitors' Presentation &amp; Exhibit Hour</b>												
13:55	14:55	1:00	Exhibitor Presentation					13:55	12:55	21:55	0:55	6:55
14:55	15:30	0:35	Exhibit Hour					14:55	13:55	22:55	1:55	7:55
<b>Session: Main Stream of MEMS 4</b>												
15:30	15:55	0:25	Improving the performance of intelligent MEMS motion sensors with ST's new Thelma Double technology	Mr.	Giorgio	Allegato	STMicroelectronics	15:30	15:55	23:30	2:30	8:30
15:55	16:20	0:25	Uncooled Infrared Focal Plane Arrays	Dr.	Masafumi	Kimata	Formerly with Ritsumeikan University	15:55	14:55	23:55	2:55	8:55
16:20	16:45	0:25	How context awareness can help to further extent battery lifetime in TWS	Dr.	Gunar	Lorenz	Infineon Technologies AG	16:20	16:45	0:20	3:20	9:20
16:45	16:55	0:10										
<b>Session: Core Equipment Technology for MEMS</b>												
16:55	17:20	0:25	Probe cards with MEMS probes	Ms.	Sachiko	Hattori	JAPAN ELECTRONIC MATERIALS CORPO	16:55	15:55	0:55	3:55	9:55
17:20	17:45	0:25	Wafer bonding for 3D/Heterogeneous integration application	Mr.	Hiroshi	Yamamoto	EV Group Japan K.K.	17:20	16:20	1:20	4:20	10:20
17:45	18:10	0:25	Etch Challenges and Solutions for Highly Doped AlScN Films used in PiezoMEMS Applications	Mrs.	Joanne	Carpenter	SPTS Technologies Ltd.	17:45	16:45	1:45	4:45	10:45
18:10	18:15	0:05		Prof.	Ryo	Miyake	The University of Tokyo	18:10	17:10	2:10	5:10	11:10