3rd World Congress of **Digital Olfaction Society**

December 7-8, 2016

AP Tokyo Yaesu Dori Convention Center **Tokyo, Japan**

Scientific & Demonstrations Agenda

www.digital-olfaction.com

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Day 1 – December 7, 2016

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8h00	Welcoming & Registration of Attendees
9h00	Welcome Note by DOS Chairpersons
	Session 1: Recent Advances of Digital Olfaction Research & Development
	Chaired by Takamichi Nakamoto & Michael Rapp
9h05	Recent advances in human olfactory interface Takamichi Nakamoto, Tokyo Institute of Technology, Department of Physical Electronics, Japan
9h35	Targeting olfactory receptors by digital agonists, aromas or scents: myth or reality? Marvin Edeas, Chairman of DOS Scientifc Committee, France
10h05	Surface Acoustic Wave (SAW) Biosensors and their Integration with microfluidics towards a flexible array based biosensor system Michael Rapp, Karlsruhe Institute of Technology, Germany
	10h35 Coffee Break & Poster Session
11h05	Receptor representations of odors: digitizing olfaction Joel Mainland, Monell Chemical Senses Center, USA
11h35	Intelligent sensing and classification using odor sensors Sigeru Omatu, Osaka Institute of Technology, Japan
12h05	Internet of media things towards surrealistic worlds with 3D scent technology Sang-Kyun Kim, Myongji Unviersity, Republic of South Korea
	12h35 Lunch Break & Poster Session
13h45	Exhaled breath analysis for monitoring of lung cancer patients using E-Nose system Hyung-Gi Byun, Kangwon National University, South Korea
14h15	Urine can be used for detecting patients with active pulmonary tuberculosis by an electronic nose-based artificial neural network Ehab Mohamed, Alexandria University, Egypt
14h30	Colorimetric sensor arrays based on chemo-response dyes for food odor visualization Xiaobo Zou, School of Food & Biological Engineering, Jiangsu University, China
14h45	Olfactory rehabilitation system to improve ability to smell using olfactory display Shohei Horiguchi, Keio University, Japan
15h00	Designing smell-enabled training games: early lessons from the Nosewise project Simon Niedenthal, Malmö University & Stockholm University, Sweden
15h15	The effect of odor on the perception of space Ryo Wako, University of Tsukuba, Japan
15h30	The evocative role of olfactory display in a library context Mai Kei Lai, Macao Polytechnic Institute, Macao
	15h45 Coffee Break & Poster Session
	Session 2: Recent Advances on Odor Sensing (Part I)
	Chaired by Hyung-Gi Byun, Hiroshi Ishida & Yasuyuki Yanagida
16h15	A low-voltage low-power nose-on-a-chip for rapid diagnosis of ventilator-associated pneumonia Kea-Tiong Tang, National Tsing Hua University, Taiwan

16h45 Odor source localization strategy using multiple sensor nodes in dynamic turbulent environment *Muis Muhtadi, Tokyo Institute of Technology, Japan*

17h00	Development of cell-based odor sensor with real time lock-in detection Yuji Sukekawa, Tokyo Institute of Technology, Japan
17h15	Study of an odor sensing system based on amperometric sensor combined with preconcentrator using saw device Parthojit Chakraborty, Tokyo Institute of Technology, Japan
17h30	End of the first day
	Day 2 – December 8, 2016
8h55	Opening of the second day
	Session 2: Recent Advances on Odor Sensing (Part II)
	Chaired by Hyung-Gi Byun, Hiroshi Ishida & Yasuyuki Yanagida
9h00	Mobile robot with odor sensor: recent applications Hiroshi Ishida, Tokyo University of Agriculture and Engineering, Japan
9h30	Surface Acoustic Wave (SAW) sensor system for low cost gas analysis and characterization of biofuels Michael Rapp, Karlsruhe Institute of Technology, Germany
10h00	Electronic nose's standing point Junichi Kita, Shimadzu Corporation, Japan
10h15	The first digital scent experience room debuts in Hangzhou, China Amanda Wang, ScentRealm - Hangzhou Marker Information Technology, China
	10h30 Coffee Break, Poster Session & Demonstration Session
	Session 3 – Olfactory Display & its Applications
	Chaired by Umberto Cugini & Joel Mainland
11h00	Wireless E-Nose and smartphone as a personal device for digital olfaction Jesús Lozano Rogado, Universidad de Extremadura, Spain
11h30	Towards spatial augmented reality by olfaction: spatio-temporal control of scented air Yasuyuki Yanagida, Meijo University, Japan
12h00	Effects of olfaction in multisensory communications Yutaka Ishibashi, Nagoya Institute of Technology, Japan
12h30	Enhancing user interaction with olfactory experiences Monica Bordegoni, Politecnico di Milano, Italy
	13h00 Lunch Break, Poster Session & Demonstration Session
	Session 4: Digital Olfaction Displaying & Demonstrations
	Chaired by Monica Bordegoni
14h00	General presentation of each demonstration Before the practical demonstration, we invite each team to present their technology and the process of demonstration during 5 to 10 minutes by team. During Demonstrations Session, each team will have a dedicated space to show, demonstrate, explain and discuss about its project.
	Cocktail maze using wearable olfactory display Yosuke Maruno, Masaaki Iseki and Takamichi Nakamoto, Tokyo Institute of Technology, Japan
	Aromastic, a personal aroma diffuser, changes the way you enjoy scents Shuji Fujita, Sony Corporation, Japan
	Smelling screen mini: Presenting spatial odor distribution over the touch screen of a tablet computer Haruka Matsukura, Tokyo University of Agriculture and Engineering, Japan
	Open session around demonstrators

You will have the possibility to visit the different demonstration booth, discuss with the demonstrators and test the different devices and methods.

16h45 Concluding remarks by Pr Takamichi Nakamoto

17h00 Conclusion & end of DOS 2016 World Congress