

Final Scientific Program

Final Demonstrations & Smell Show Program

A banner for the Digital Olfaction Society (DOS) 2013 First World Congress. The banner is split into two main sections. The left section has a purple background and features a large, dark, glossy sphere with a white highlight. The text 'Digital Olfaction Society' is at the top, and 'The Smell of Digital' is at the bottom. The right section has a black background with a blue, wavy, glowing line that flows from the sphere on the left across the banner. The text 'DOS 2013' and 'First World Congress' is at the top, and 'April 11, 12 - 2013' and 'Ritz Carlton, Berlin - Germany' is at the bottom.

Digital Olfaction
Society

DOS 2013 First World Congress

April 11, 12 - 2013

The Smell of Digital

Ritz Carlton, Berlin - Germany

From Odor Recording to Digitalized Scent Reproduction

Latest Advances, Applications, Perspectives &

Impact on our Lifestyle

www.digital-olfaction.com

1st World Congress of

Digital Olfaction Society 2013

April 11-12, 2013 - Ritz Carlton Berlin, Germany

Programme

Day 1 - April 11, 2013

Congress Chairmen: Pr Marvin Edeas & Pr Takamichi Nakamoto

Session 1: Recent Advances of Digital Olfaction Research & Development

To Highlight Interdisciplinary Sciences Related to Olfaction and Digital Olfaction

8h50 General Introduction of DOS World Congress 2013

Marvin Edeas, Chairman of Digital Olfaction Society, France

9h00 Odor Recorder and Reproducer: The Way toward the Remote Olfaction

Takamichi Nakamoto, Tokyo Institute of Technology, Department of Physical Electronics, Tokyo, Japan

9h30 Artificial Olfaction and Biologically-Inspired Models

Dominique Martinez, Laboratoire Lorrain de Recherche en Informatique et ses Applications (LORIA), France

10h00 Biosensors and Electronic Nose - "Smell the dotcom": A Basic Gas Sensor and ... What else?

Patrick Mielle, Food and Behavior Research Center, UMR INRA – CNRS- AgroSup - uB CSGA, France

10h30 – Coffee Break

Session 2: Practical Applications of Digital Olfaction

Grasp the Way in which we can Transfer the Concrete Breakthroughs of Research & Development towards Industrial Applications concerned by Digital Olfaction

11h00 Scentsory Desingn: Approach of Scent Design

Jenny Tillotson, Central Saint Martins College of Arts and Design, University of the Arts London, United-Kingdom

11h30 Mobile Robot Olfaction - Recent Developments and First Practical Applications

Achim Lilienthal, Örebro University, Head of AASS Mobile Robot and Olfaction Lab, Sweden

12h00 Advances in Electronic-Nose Technologies for the Wine Producing Industry

Jesus Lozano Rogado, Universidad de Extremadura, Dept. Ingeniera Electrica, Electronica y Automatica, Spain

12h30 – Lunch Break

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Session 3: Digital Olfaction & Impact on Our Lifestyle

Design and Extend the Applications of Digital Smell Technologies to Everyday Life

14h00 Crossmodal Attention and Digital Olfaction

Charles Spence, *University of Oxford, Crossmodal Research Laboratory, United Kingdom*

14h30 Virtual Reality and Telexistence: Techniques for Spatiotemporal Control of Olfactory Space

Yasuyuki Yanagida, *Meijo University, Department of Information Engineering, Nagoya, Japan*

15h00 Short Oral Presentations for Sessions 1-2-3

Olfactory Art: When Scent Makes Believing, Seeing and Hearing - Studycases on the Use of Scents in the Art, Design and Game World

Peter De Cupere, *Mad-Faculty Hasselt, Belgium*

Recording Smell in the City: An Online Crowd-Sourced World Smell Map

Victoria Henshaw, *The University of Manchester, United Kingdom*

15h30 Coffee Break

16h00 General Discussion with speakers and chairmen

16h15 End of First Day Plenary Lectures

16h30 Booths Installation for Demonstrators

19h30 Speakers Dinner at Hotel Ritz

Day 2 - April 12, 2013

Session 4: Digital Olfaction Displaying & Demonstrations

9h00 – 17h00

9h00 Introduction of Demonstration Program by DOS Chairmen 2013

Introduction of Demonstrations - Before the practical demonstration, we invite each team to present orally their technology and the process of demonstration (10-15 minutes by team).

Demonstration – Part I

9h15 Virtual Ice Cream Shop

Maaaki Iseki, Tokyo Institute of Technology, Tokyo, Japan

9h30 Multi-Aroma-Shooter

Dong Wook Kim, NICT, Kyoto, Japan

9h45 Retransmission/Restitution Device for Iphone

Kiko Tsubouchi, ChatPerf, Tokyo, Japan

10h00 The Meta Cookie Experiment

Tomohiro Tanikawa and Yuki Ban, Tokyo University, Tokyo, Japan

10h15 Ultrasonic Micro-plugs Array Technology

Yossi Haran, CEO and VP R&D, Scentcom, Israel

10h30 – Coffee Break

11h00 Demonstrations – Part III

12h30 – Lunch Break

14h00 Final Discussions

- *Perspectives & Opportunities*
- *Next strategic step for Digital Olfaction Society*
- *Publication about DOS proceedings in scientific journal or DOS book*

Election of DOS Chairman

14h45 End of DOS World Congress 2013

Demonstrations – Part III

17h00 End of DOS Demonstrations