



The 14th International Meeting on Chemical Sensors
May 20 - 23, 2012, Nürnberg/Nuremberg

Special Session: **Chemical Sensors and New Technologies for Air-Pollution Control**

COST Action TD1105 EuNetAir

European Network on New Sensing Technologies for Air-Pollution Control and Environmental Sustainability

IMCS 2012 - The 14th International Meeting on Chemical Sensors, May 20-23, 2012 - Nuremberg, Germany

Tuesday 22 May 2012

SPECIAL SESSION PROGRAM

Session Chair(s): Prof. G. Sberveglieri and Dr. Michele Penza

PART I: Sensor Materials and Techniques

10.30 - 10.50

Overview of the COST Action TD1105 EuNetAir

Speaker: Dr. Michele Penza, ENEA, IT - Action Coordinator

10.50 - 11.10

Chemical NanoSensors and Microsystems for Air Pollution Detection

Speaker: Prof. Juan Ramon Morante, IREC, ES

11.10 - 11.30

Carbon Nanomaterials for Environmental Monitoring Sensors

Speaker: Prof. Eduard Llobet, University Roviri I Virgili, ES

11.30 - 11.50

SCR-catalyst materials for exhaust gas detection

Speaker: Dr. Daniela Schonauer-Kamin, University of Bayreuth, DE

11.50 - 12.10

Surface Ionization on Metal Oxide Gas Sensors

Speaker: Dr. Andrea Ponzoni, SENSOR Lab. CNR-IDASC, Brescia, IT

12.10 - 12.30

Microsystems-based Technologies for Air-Pollutant and Gas Detection

Speaker: Dr. Danick Briand, EPFL, CH

Close Session Part I: Lunch



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PART II: Sensor-Systems, Technologies and Applications

10.30 - 10.50

Chemical Sensors for Indoor Applications

Speaker: Prof. Andreas Schutze, Saarland University, DE

10.50 - 11.10

Chemical sensor systems for emission control from combustions

Speaker: Prof. Anita Lloyd Spetz, Linköping University, SE

11.10 - 11.30

Low Power Sensor Systems Technologies for Environmental Air-Monitoring

Speaker: Dr. Sywert Brongersma, IMEC-Holst Centre, NL

11.30 - 11.50

Electrochemical Sensors for Environmental Monitoring in Cities

Speaker: Prof. Rod Jones, University of Cambridge, UK

11.50 - 12.10

Wireless Sensors Network for Air Quality Control

Speaker: Dr. Saverio De Vito, ENEA, IT

12.10 - 12.30

New Approaches to Chemical Sensing for Application in Environmental Monitoring: Smart Sensors and Artificial Olfactory Mucosa

Speaker: Prof. Julian W. Gardner, University of Warwick, UK

Close Session Part II: Lunch