

SENSOR 2015

Part A
NCC West, Room London

Tuesday, 19 May 2015

SENSOR 2015

Part B
NCC West, Room Amsterdam

Tuesday, 19 May 2015

SENSOR 2015

Part C
NCC West, Room Venedig

Tuesday, 19 May 2015

10:00 Opening Ceremony

Opening address
Opening speech
(NCC West, Room London)

Presentation of the AMA Innovation Award 2015

11:45 *Lunch Break*
13:30 **A1** Force and Torque
15:00 *Coffee Break and*
15:00-16:30 *Poster Session*
16:30 **A2** Mechanical Sensors

11:45 *Lunch Break*
13:30 **B1** Sensor Design and Modeling
15:00 *Coffee Break and*
15:00-16:30 *Poster Session*
16:30 **B2** MEMS & NEMS

11:45 *Lunch Break*
13:30 **C1** MEMS Applications
15:00 *Coffee Break and*
15:00-16:30 *Poster Session*
16:30 **C2** Applications

Wednesday, 20 May 2015

Wednesday, 20 May 2015

Wednesday, 20 May 2015

08:30 Plenary Talk
09:15 Plenary Talk
(NCC West, Room London)

10:00 *Coffee Break*
10:30 **A3** Ultrasound I
12:00 *Lunch Break*
13:30 **A4** Ultrasound II
14:50 *Coffee Break*
15:10 **A5** Acoustic Sensing

10:00 *Coffee Break*
10:30 **B3** Magneto-resistive Sensors
12:00 *Lunch Break*
13:30 **B4** Sensor Materials
14:50 *Coffee Break*
15:10 **B5** Packaging

10:00 *Coffee Break*
10:30 **C3** High Temperature Sensors
12:00 *Lunch Break*
13:30 **C4** Medical Sensors
14:50 *Coffee Break*
15:10 **C5** Medical Systems

Part A
NCC West, Room Dublin
Thursday, 21 May 2015

Part B
NCC West, Room Amsterdam
Thursday, 21 May 2015

Part C
NCC West, Room Venedig
Thursday, 21 May 2015

08:30 Plenary Talk
09:15 Plenary Talk
(NCC West, Room London)

10:00 *Coffee Break*
10:20 **A6** Material Characterization
11:50 *Lunch Break*
13:00 **A7** Impedance Spectroscopy
14:20 *Coffee Break*
14:50 **A8** Strain Sensing

10:00 *Coffee Break*
10:20 **B6** Flow I
11:50 *Lunch Break*
13:00 **B7** Flow II
14:30 *Coffee Break*
14:50 **B8** Fluid-Structure Interaction Sensing

10:00 *Coffee Break*
10:20 **C6** Geometrical Measurements
11:50 *Lunch Break*
13:00 **C7** Automotive Sensors
14:20 *Coffee Break*
14:50 **C8** Calibration & Testing

SENSOR 2015

Part D
NCC West, Room Zürich

Tuesday, 19 May 2015

10:00 Opening Ceremony

Opening address
Opening speech
(NCC West, Room London)

Presentation of the AMA Innovation Award 2015

11:45 Lunch Break
13:30 D1 Optical Metrology
15:00 Coffee Break and
15:00-16:30 Poster Session
16:30 D2 Optical Sensors

Wednesday, 20 May 2015

08:30 Plenary Talk
09:15 Plenary Talk
(NCC West, Room London)

10:00 Coffee Break
10:30 D3 Optical Measurement Technology
12:00 Lunch Break
13:30 D4 New Technologies
14:50 Coffee Break
15:10 D5 Chemical & Bio Sensors

Part D
NCC West, Room Zürich
Thursday, 21 May 2015

08:30 Plenary Talk
09:15 Plenary Talk
(NCC West, Room London)

10:00 Coffee Break
10:20 D6 Sensor Electronic
11:50 Lunch Break
13:00 D7 Energy Harvesting
14:20 Coffee Break
14:50 D8 Signales & Systems

IRS² 2015

NCC West, Room Dublin

Tuesday, 19 May 2015

11:45 Lunch Break
13:30 Welcome
13:35 Session 1
Calibration and Accuracy
15:00 Coffee Break and
15:00-16:30 Poster Session
16:30 Session 2
Spectroscopy and Gas Analysis

Wednesday, 20 May 2015

10:00 Coffee Break
10:30 Session 3
IR Components and Systems
12:00 Lunch Break
13:30 Session 4
Recent Developments in IR Industry

SENSOR 2015

15:30 E5 Gas Sensors I

Part E
NCC West, Room London
Thursday, 21 May 2015

10:00 Coffee Break
10:20 E6 Gas Sensors II
11:50 Lunch Break
13:00 E7 Gas Sensors III
14:20 Coffee Break
14:50 E8 Gas Sensors IV

Opening Ceremony

NCC West, Room London
Tuesday, 19 May 2015

10:00-10:45 Opening Ceremony

Chairs:

G. Gerlach, Technical University Dresden, (Germany)
R. Lerch, University Erlangen-Nuremberg, (Germany)
R. Werthschützky, Technical University Darmstadt,
(Germany)

10:00-10:20 Opening speech

10:20-10:25 Break

10:25-11:10 Presentation of the AMA Innovation
Award 2015

W. Wiedemann, Sensor-Technik Wiedemann GmbH,
Kaufbeuren (Germany), Chairman of the AMA-Board
A. Schütze, Universität des Saarlandes, Saarbrücken
(Germany); Chairman of the Jury

The nominated innovations:

**Ultragenaue Frequenzmessung mit kristallinen
Halbleiterspiegeln**

Prof. Dr. Markus Aspelmeyer, Dr. Garrett Cole, Dr. Christi-
an Pawlu (Crystalline Mirror Solutions GmbH, Wien)

**Großflächige Nanotopographiemessung spiegelnder
Oberflächen**

Alexander Tobisch, Dr. Martin Schellenberger, Prof.
Dr.-Ing. Lothar Pfitzner (Fraunhofer IISB, Erlangen) und
Daniel Raseghi, Meinrad Spitz (E+H Metrology GmbH)

Ge-on-Si-Photodiode mit Black-Silicon-Lichtfalle

Martin Steglich, Dr. Ernst-Bernhard Kley (Fr.-Schiller-Uni-
versität Jena) und Dr. Michael Oehme, Prof. Jörg Schulze
(Universität Stuttgart)

Breitbandiges low-power FMCW-Radar

Füllstandsmessgerät

Dr. Christoph Schmits, Dr. Michael Vogt (KROHNE Inno-
vation GmbH, Duisburg) und Prof. Dr. Nils Pohl, Timo
Jaeschke, Christian Schulz (Ruhr-Universität Bochum)

**Tachyon1024 Microcore SWaP-C, 1 kHz ungekühlter MWIR
Bildwandler für industrielle Anwendungen**

Dr. Germán Vergara, Rodrigo Linares, Raul Gutierrez,
Arturo Baldasano (New Infrared Technologies S.L.,
Boadilla del Monte)

**lumiMEMS : Basistechnologie zum Auslesen von Chemo-
sensoren basierend auf Microcantilevern**

Dr. Gino Putrino, Prof. Adrian Keating, Prof. Mariusz
Martyniuk, Prof. Lorenzo Faraone, Prof. John Dell
(University of Western Australia)

11:10-11:20 Pictures of the Nominates

11:20 Lunch Break