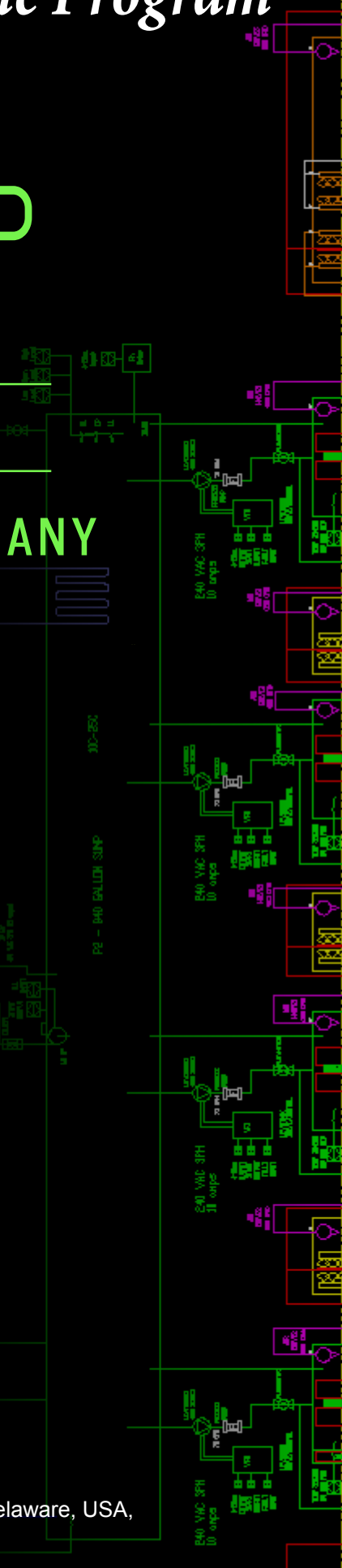


7TH EURO
BIOSENSORS AND
BIOELECTRONICS
C O N F E R E N C E

JULY 10-11, 2017 | BERLIN, GERMANY



Conference Series - America
One Commerce Center-1201, Orange St. #600, Wilmington, Zip 19899, Delaware, USA,
P: +1-702-508-5200, F: +1-650-618-1417

Conference Series - UK
Kemp House, 152 City Road, London EC1V 2NX
Toll Free: +1-800-216-6499

08:30-09:30 Registrations

Sylt 1-2

conference**series**.com

09:30-09:55

Opening Ceremony

Keynote Forum

Keynote Forum

09:55-10:00 Introduction

10:00-10:40 **Title: A new optical high-resolution three-axis sensor for navigation of medical devices**
Christian Baumgartner, Graz University of Technology, Austria

Networking & Refreshment Break 10:40-11:00 @ Sylt Foyer

11:00-11:40 **Title: Establishing gene expression for early and high-throughput prediction of the hematological acute radiation syndrome**
Michael Abend, Bundeswehr Institute of Radiobiology, Germany

11:40-12:20 **Title: New ultrasensitive BDD-biosensor for influenza virus detection**
Dawid Nidzworski, SensDx Ltd, Poland

Group Photo & Panel Discussion 12:20-12:30

Sessions: Biosensors | Bioelectronics | Types of Biosensors | Biosensing Technologies | Nanotechnology in Biosensors | Enzymatic Biosensors | Environmental Biosensors

Session Chair: **Hiroyuki Takei**, Toyo University, Japan

Session Co-chair: **Chirasree Roy Chaudhuri**, Indian Institute of Engineering Science and Technology, India

Session Introduction

12:30-13:00 **Title: Multi-pores; controlling and measuring the flow of charged species through tunable nanopores producing a rapid, multiplex assay**
Mark Platt, Loughborough University, UK

Lunch Break 13:00-13:45 @ Restaurant Rienacker

13:45-14:15 **Title: Novel approach for multiplex detection of antibiotic residues in milk by means of electrochemical biosensors**
Valerie Gaudin, ANSES-Laboratory of Fougères, France

14:15-14:45 **Title: Three types of nanostructure platforms for plasmonics detection of target molecules on a solid surface or in a complex medium**
Hiroyuki Takei, Toyo University, Japan

14:45-15:15 **Title: An electrical model for silicon-nanowire electrodes in intracellular signal measurement in biological environments**
Alex Hariz, University of South Australia, Australia

Networking & Refreshment Break 15:15-15:30 @ Sylt Foyer

15:30-16:00 **Title: Point-of-care nanosensor applied to diagnosis of high morbimortality diseases**
Rosa F Dutra, Federal University of Pernambuco, Brazil

16:00-16:30 **Title: Water bodies pollutants screening by nanostructured optical biosensors**
Giorgi Shtenberg, Agricultural Research Organization, Volcani Center, Israel

16:30-17:00 **Title: Closed solid state nanopore array - A unique device for ultrasensitive label free impedance biosensors**
Chirasree Roy Chaudhuri, Indian Institute of Engineering Science and Technology (IIST), India

Panel Discussion

Day 2 | July 11, 2017

Sylt 1-2

Keynote Forum

09:00-09:40 Title: **Microfluidic systems for pharma technology - the manipulation of cells, droplets and particles**
Andreas Dietzel, Center for Pharmaceutical Engineering (PVZ), Germany

09:40-10:20 Title: **Microfluidic chip ionization source coupling with mass spectrometry**
Xiaohao Wang, Tsinghua-Berkeley Shenzhen Institute, China

Sessions: Nanotechnology in Biosensors | Biosensor Applications | Biosensing Technologies | Biochips & Nucleic Acid Sensors | Bioinstrumentation & Equipment's | Bio-MEMS/NEMS | Photonic Sensor Technologies

Session Chair: Andreas Dietzel, Center for Pharmaceutical Engineering (PVZ), Germany

Session Co-chair: Sarmiza Elena Stanca, Leibniz Institute of Photonic Technology, Germany

Session Introduction

10:20-10:50 Title: **Recent and upcoming potential spacecraft missions requiring biosensor technologies: Current examples, what are we looking for and remaining challenges**
Ike Chi, California Institute of Technology, USA

Networking & Refreshment Break 10:50-11:10 @ Sylt Foyer

11:10-11:40 Title: **Secure accuracy at increased precision of AFM-probe integrated biosensor**
Sarmiza Elena Stanca, Leibniz Institute of Photonic Technology, Germany

11:40-12:10 Title: **Detection of gold nanoparticles aggregation growth induced by nucleic acid through laser scanning confocal microscopy**
Ramla Gary, University of Calabria, Italy

12:10-12:40 Title: **Detection of pH/H₂O₂ and prostrate/breast cancer biomarker by using nickel-oxide/iridium-oxide sensing membrane in electrolyte-insulator-semiconductor structure**
Siddheswar Maikap, Chang Gung University, Taiwan

12:40-13:10 Title: **Bi₁₂GeO₂₀ Faraday crystal application in magnetic field measurement**
Slobodan J Petricevic, University of Belgrade, Serbia

Lunch Break 13:10-14:00 @ Restaurant Rienacker

Poster Presentations 14:00-14:45

EBB 01 Title: **Palladium nanostructured single carbon fiber electrodes for detection of early-onset sepsis and oxidative stress**
Aaron McConville, Ulster University, UK

EBB 02 Title: **Towards practical bacterial biosensor assays for on-site applications**
Elizabeth Salvo, McMaster University, Canada

EBB 03 Title: **Effect of thermal oxidation on the performance of nanostructured porous Si optical biosensors**
Giorgi Shtenberg, Agricultural Research Organization, Volcani Center, Israel

EBB 04 Title: **Stabilization of gold and silver nanoparticles for LSPR sensing operating in both visible and near-IR regimes in high salt concentration environments**
H Haraguchi, Toyo University, Japan

EBB 05 Title: **Development of miniaturized uniaxial cell stretching device**
Jaewon Kim, Sungkyunkwan University, South Korea

EBB 06 Title: **A novel capacitive biosensor for the detection of small molecule S-nitrosothiols**
James Seckler, Case Western Reserve University, USA

EBB 07 Title: **Development of an Optimal Bio-Sensor with quantitative Real-time Monitoring of Microbial Hazards in Water Environment**
Yoorae Noh, Yonsei University, Korea

EBB 08 Title: **Yeast whole cell sensors for the detection of acetic acid in biogas production**
Katja Hahne, Technische Universität Dresden, Germany

- EBB 09** Title: **Butterfly wing scales as a model template for SERS applications**
K Nagata, Toyo University, Japan
- EBB 10** Title: **Cu²⁺ detection realized with silicon nanowire ion-sensitive field effect transistor based biosensor**
Olena Synhaivska, University of Basel, Basel, Switzerland
- EBB 11** Title: **Synthesis of quantum dots conjugates with antibodies for immunochromatographic analysis**
Ibragimova Sagila Aladdinovna, State University Dubna, Russia
- EBB 12** Title: **Surface modification of a microfluidic channel by a multiple metal layer coating method**
Young Ho Kim, Daegu-Gyeongbuk Medical Innovation Foundation, South Korea

Young Researchers Forum

- 14:45-15:05** Title: **Detection of β -thalassemia IVSI-110 mutation by using piezoelectric biosensor for non-invasive prenatal diagnosis**
Umut Kokbas, Cukurova University, Turkey
- 15:05-15:25** Title: **Application of twin-working electrode cell in characterizing biological electron mediators**
Mahamudul Hassan, Murdoch University, Australia

Closing Ceremony

Networking & Refreshment Break 15:45-16:00 @ Sylt Foyer



Bookmark your dates

9th Euro Biosensors and Bioelectronics conference
June 04-05, 2018 London, UK