

4TH INDUSTRY PARTNERS DAY

SEPTEMBER 28, 2016 | FRAUNHOFER FEP

PROGRAM

08.00 Registration

08.30 Opening

Dr. Uwe Vogel, Fraunhofer FEP

Dr. Jessy Schönfelder, Fraunhofer FEP

08.40 **BIOSENSORICS AND MICRODISPLAYS**

08.45 Photo-organic sensors in biotechnology – applications and challenges

Felix Krujatz, Technical University Dresden

09.00 Structured organic photodetectors via orthogonal photolithography

Matthias Jahnel, Fraunhofer FEP

09.15 OLED microdisplays for medical and ophthalmic applications

Dr. Gunther Haas, MICROOLED

09.30 OLED Microdisplays – Enabling Advanced Near-to-Eye (NTE) Displays, Sensors, and Beyond

Dr. Uwe Vogel, Fraunhofer FEP

09.45 Coffee Break

10.15 New sensors for biotechnology applications as a basis for new technologies in the pharma industry

Ralf Kretzschmar, Pharmatec GmbH

10.45 **LIGHT IN MEDICINE**

10.50 Light induced wound healing

Prof. Dr. Norbert Gretz, Heidelberg University

11.05 OLED light application in medicine and cytotoxicity of the materials

Dr. Jacqueline Hauptmann, Fraunhofer FEP

11.20 Biodegradable electronics

Dr. Michael Hoffmann, Fraunhofer FEP

11.40 **Official award ceremony of ideas competition winners „flex-MED competition“**

12.15 Lunch

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13.15 **CLEANING AND STERILIZATION**

13.20 **Surface analytical tools for the detection of contamination on medical devices**

Dr. Uwe Vohrer, Fraunhofer IGB

13.35 **SteriHealth® – a compact e-beam sterilization system**

Frank-Holm Rögner, Fraunhofer FEP

13.50 **Sterilization of tissue transplants with electron beam**

Dr. Jessy Schönfelder, Fraunhofer FEP

14.05 **Special requirements for cleaning applications in the medical industry**

Hannes Köble, Dürr Ecoclean GmbH

14.20 **Coffee Break**

14.40 **COATINGS FOR MEDICINE**

14.45 **Photocatalytic coating of implants**

Dr. Heidrun Klostermann, Fraunhofer FEP

15.00 **Ceramic Surfaces in Joint Replacement**

Thomas Oberbach, Mathys Orthopädie GmbH

15.15 **Coatings for stents in the coronary heart disease**

Dr. Andreas Mucha, MAT Dresden GmbH

15.30 **Preparation of polymer composites with silver and copper nanoparticles by EB PVD**

Oleksii Gornostai, International Center for electron-beam technology E.O. Paton welding institute NAS

15.45 **Silver-copper mixed layers as an example for antibacterial coatings**

Gaby Gotzmann, Fraunhofer FEP

16.15 **LAB TOURS**

Biomedical Laboratory

and

REAMODE Laboratory unit for modifying organic materials using accelerated electrons

17.00 **End**

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