# 2018 16th Biennial Baltic Electronics Conference (BEC 2018)

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# 2018 16th Biennial Baltic Electronics Conference (BEC)

## Invited Talks

Prof. Dr. Marta Rencz – LED modelling for Industry 4.0 in the Delphi4LED project.

Dr. Daniel Foty – Amplification, Feedback, and Sub-Biasing: Applying Analog Techniques to High-Speed, Low-Power Digital CMOS Circuits at Dimensions Below 100nm.

Prof. Francois Verdier – Design of HW/SW SoCs by Using Models of Power and Clock Domains in SystemC-TLM.

Prof. Serge Dos Santos – Systemic multimodal technologies for entering in the NDT 4.0 transition: signal, image, and data for monitoring the health of biological, medical and industrial complex processes.

Prof. Ørjan Grøttem Martinsen – From linear to memristive electrical properties of human skin.

## 1.1. Lab-on-Chip Solutions



## 1.2. Cognitive Systems and Communication

## 2.1. Semiconductor Devices and Chips



## 2.2. Digital and Embedded Systems



## 3.1. Software and Equipment Test

## 3.2. Chip Design and Energy Harvesting



## 4.1. Digital Test and Fault Tolerance



## 4.2. Power Electronics



## 5.1. Biomedical Electronics

## 5.2. Cyberphysical Systems



## 6.1. Biomedical Engineering



## 6.2. Signal Processing