

# FORWARD AS ONE SEMICON® EUROPA



## Executive Forum 4

### Accelerating Innovation for Smart Medical Devices



R. Dekker  
Principal Scientist  
Philips, Eindhoven, Netherlands



#### Abstract

The transition towards a more decentralized and personalized health care is causing a breakdown of the borders between the Electronics Components and Systems (ECS) industry, Medtech and Pharma. At these fading borders new medical domains are emerging that not only hold great promise for patients, but also for industry. In this presentation some of these emerging domains will be reviewed in relation to their importance for the ECS industry, and the importance of open technology platforms to accelerate innovation in these new areas will be highlighted.

#### Biography

Ronald Dekker received his MSc in Electrical Engineering from the Technical University of Eindhoven and his PhD from the Technical University of Delft. He joined Philips Research in 1988 where he worked on the development of RF technologies for mobile communication. Since 2000 his focus shifted to the integration of complex electronic sensor functionality on the tip of the smallest minimal invasive instruments such as catheters and guide-wires. In 2007 he was appointed part time professor at the Technical University of Delft with a focus on Organ-on-Chip and bioelectronics medicines. Since 2013 he has been the initiator of a number of large European initiatives that all have in common the development of open technology platforms for electronic medical devices. In 2018 he initiated the ECSEL joint undertaking Health.E lighthouse. He published in leading Journals and conferences and holds in excess of 70 patents.

## Samsung Foundry - Adding One More Dimension



A. Fischer  
VP Foundry Business EMEA  
Samsung Semiconductor Europe GmbH, Munich,  
Germany

# SAMSUNG

### **Abstract**

Vision, trends, latest technologies and solutions for various applications and achieving valuable partnerships.

### **Biography**

Axel Fischer joined Samsung Semiconductor Europe in Year 2002 and is heading as Vice President the Foundry Business Unit in EMEA since 2017. He is leading the European Strategy, Sales, Marketing and Technical Support Organisation. Prior to this he lead the SLSI Business Unit in Europe.

Previously he worked at Texas Instruments in Nice within the ASIC and Wireless Terminal BUs in Marketing and Business Development Management roles. He started his professional career at Cypress Semiconductor in 1995.

Axel served as a Board Member in the OSPT Alliance.

## The Future of Mobility



B. Hellenthal  
Head of Computing Platform and Semiconductors  
CARIAD, Wolfsburg, Germany

C A R I A D  
A VOLKSWAGEN GROUP COMPANY

### Abstract

The Future of Mobility

### Biography

Berthold Hellenthal  
Head of Computing Platform and Semiconductors CARIAD