OST
Eastern Switzerland
University of Applied Sciences

IMES Lecture Microelectronics

Thursday, 21 March 2024, OST – Eastern Switzerland University of Applied Sciences, Oberseestrasse 10, 8640 Rapperswil-Jona

IMES | Institute for Microelectronics, Embedded Systems and Sensors

IMES Lecture Microelectronics

Abstract: Power over HDMI2.1

A novel approach to maintaining voltage integrity in optical HDMI data cables over long distances is presented. The approach includes a fully integrated DC-DC converter that can significantly reduce costs in the price-sensitive consumer electronics market.

Abstract: Challenges for Consumer Microchip Design (at Cirrus Logic)

Designing microchips for the consumer electronics market at the leading edge of low power audio and high-performance mixed signal processing brings a wide range of challenges. In this presentation we will look at two commercially available microchips from Cirrus Logic and the difficulties faced and decisions made when designing these.

Programme:

Thursday, 21 March 2024

17.10 pm — Power over HDMI2.1
Roman Willi, Senior Research Engineer, IMES Institute for Microelectronics, Embedded Systems and Sensors
Vortrag in Deutsch

17.25 pm — Challenges for Consumer Microchip Design (at Cirrus Logic)
Dr. Erich Zwyssig, Digital Design Engineer, Cirrus Logic International
Lecture in English

18.15 pm — Aperitif