29 August to 2 September 2016

Fundamentals & Trends in Microelectronics

Joint Summer School of Infineon Austria and TU Wien

Top academic lectures
Get to know the latest research of your university.

Recreation & fun
Enjoy the wonderful landscape with lakes and mountains in Villach and have fun.

Earn 2 ECTS
Submit an optional report after the summer school and earn 2 ECTS.

Agenda

Monday, 29 August 2016
Transfer Vienna-Villach
Summer School Welcome - Herbert Danninger, Karl Unterrainer, Günther Wellenzohn (Infineon Austria)
Piezoelectric MEMS - Ulrich Schmid - [Abstract]
Embedded Systems - Martin Pongratz - [Abstract]
Infineon Austria Application & Tech Track
Brauhaus Villach

Tuesday, 30 August 2016
PhD Talk (optional early bird track)
Infineon Austria tour
Vehicular Connectivity: G5 and 5G - Christoph Mecklenbräuker - [Abstract]
Advanced Analog and Optoelectronic Integrated Circuits - Horst Zimmermann - [Abstract]
Device Simulation - [Abstract]
Track 1: Guided tour Villach; Track 2: Lake visit

Wednesday, 31 August 2016
Sensors for CERN (optional early bird track) - [Abstract]
Mechanical Reliability of Microelectronics - Golta Khatibi - [Abstract]
Reliability of Electronics - Hajdin Ceric - [Abstract]
III-V Materials - Gottfried Strasser
Outdoor: Hiking Taborhöhe & Waldseilgarten

Thursday, 1 September 2016
Working at Infineon - HR (optional early bird track)
Infineon Austria tour
2D-Materials/Graphene - Thomas Müller - [Abstract]
High-κ Dielectrics - Emmerich Bertagnolli
Photonic Fabrication - Jürgen Stampfl - [Abstract]
Panel Discussion

Friday, 2 September 2016
Surface Analysis of Microelectronic Devices - Herbert Hutter - [Abstract]
Electroceramics and Voltage - Jürgen Fleig - [Abstract]
Basics of Corrosion - Paul Linhardt - [Abstract]
Electrochemical Phenomena and Methods - Günter Fafilek - [Abstract]
Summer School Goodbye
Transfer Villach-Vienna

Top industry insights
Get to know Infineon Austria - one of the leading industrial companies in Austria.

Extend your network
Get to know smart & wonderful people - students, lecturers, and employees of Infineon Austria.

Costs covered
Infineon Austria covers your travel expenses from Vienna and accommodation costs in Villach (half-board).

Questions? You are welcome!