

Session Program

4-8 Sept 2023



Joint Annual Meeting of the Swiss and Austrian Physical Society 2023

Nanotechnology: From Hype to Application

Tuesday 5 September

14:00

Nanotechnology: From Hype to Application

Session | **Location:** Room 114

14:00–14:10 **【51】 Introduction**

Speakers

Thilo Stöferle, Andreas Fuhrer

14:10–14:30 **【52】 Nanosurf: 25 years of riding the nanotechnology wave**

Speaker

Dominik Ziegler

14:30–14:50

【53】 BTO-enhanced silicon photonics - a scalable PIC platform based on Pockels modulation

Speaker

Thomas Kornher

14:50–15:10 **【54】 Scratch resistance furniture films**

Speaker

Peter Fankhauser

15:10–15:30 **【55】 3D printing of miniaturized glass devices**

Speaker

Cesare Alfieri

15:30–15:50 **【56】 Designing optical thin films using polarized light**

Speaker

David Pires

15:50–16:10

【57】 Industry and Academia: The Power of Partnership in Scientific Discovery

Speaker

Silke Traut

16:10–16:30

【58】 Challenges in bringing a manual laboratory technology closer to the semiconductor fab

Speaker

Samuel Sonderegger

16:30

17:00

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17:00–17:20

【59】 NanoFrazor technology: enabling advanced nanodevices and unique applications

Speaker

Fabian Könemann

17:20–17:40

【60】 XRnanotech - Nanostructured Diffractive Optics - New Opportunities at Short Wavelengths**Speaker**

Adam Kubec

17:40–18:00

【61】 Big Data and Artificial Intelligence in PVD coating development**Speaker**

Dr Arnd Mueller

18:00–18:20

【62】 PyzoFlex® matrix: How to combine printed ferroelectric sensors and organic transistors for vital parameter, tactile pressure and proximity sensing**Speaker**

Ms Barbara Stadlober

18:20–18:40

【63】 ARTIDIS technology revolutionizes cancer care by using physical characterization of tissue**Speaker**

Mr Philipp Oertle

19:00