

Joensuu Summer School on Optics 2019: eXpeRience your reality

Jump into world of virtual and augmented reality. Deepen your theoretical knowledge and experience unique hands-on approach to the subject.

You will learn for example diffractive waveguides on AR displays, principals of diffractive photoconductor, design of AR/VR devices, optical architectures and related technologies to enhance the visual experience, comfort in AR/VR headsets, human perception and its impact on AR/VR products, different manufacturing methods for optical components in AR/VR glasses and AR technology in game industry.

When: 19.-30.8.2019

Where: Joensuu campus, University of Eastern Finland, Finland

To Whom: Students of photonics, physics, engineering and computer science

Credit points: 5 ECTS (2 weeks) / 2 ECTS (1 week)

Further information
and registration:



Keynote speakers

Bernard Kress
Principal Optical
Architect at
Microsoft Hololens



Steven LaValle
founder of Oculus
VR and its chief
scientist, former
chief scientist of
VR/AR/MR in
Huawei

Irina Livshits
Head of Laboratory
CAD Opto-
Information and
Energy Saving
Systems in ITMO
University



Tapani Levola
founder of
waveguide based
AR displays (Nokia,
Vuzix, Microsoft)