EFTF 2024 Plenary Speakers

Professor Tobias Kippenberg

Laboratory of Photonic Integrated Circuits and Quantum Measurements
Ecole Polytechnique Fédéral Lausanne (EPFL)

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Tobias J. Kippenberg is Full Professor of Physics at EPFL and leads the Laboratory of Photonics and Quantum Measurement. He obtained his BA at the RWTH Aachen, and MA and PhD at the California Institute of Technology (Caltech in Pasadena, USA). From 2005- 2009 he lead an Independent Research Group at the MPI of Quantum Optics, and is at EPFL since. His research interest are the Science and Applications of ultra high Q microcavities; in particular with his research group he discovered chip-scale Kerr frequency comb generation (Nature 2007, Science 2011) and observed radiation pressure backaction effects in microresonators that now developed into the field of cavity optomechanics (Science 2008). Tobias Kippenberg is alumni of the “Studienstiftung des Deutschen Volkes”. For his invention of “chip-scale frequency combs” he received he Helmholtz Price for Metrology (2009) and the EFTF Young Investigator Award (2010). For his research on cavity optomechanics, he received the EPS Fresnel Prize (2009). In addition he is recipient of the ICO Prize in Optics (2014), the Swiss National Latsis award (2015), the German Wilhelm Klung Award (2015) and ZEISS Research Award (2018). He is fellow of the APS and OSA, and listed since 2014 in the Thomas Reuters highlycited.com in the domain of Physics.

External Links: Personal Page EPFL • Laboratory of Photonics and Quantum Measurement

Professor Jeffrey S. Hangst

Professor of Physics
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Jeffrey is a graduate of MIT (SB, SM) and of the University of Chicago (PhD). In Chicago, he worked at Fermilab and at Argonne National Lab. He moved to Aarhus University in Denmark in 1993 and has been there since. He received the European Physical Society's 1996 accelerator award for a young scientist for his work on laser cooling of stored ion beams in the ASTRID storage ring in Aarhus. He is a founder of the ATHENA antihydrogen collaboration and was the Physics Coordinator of the experiment that produced the first cold antihydrogen atoms at the CERN Antiproton Decelerator in 2002. He is founder and spokesperson of the ALPHA collaboration at CERN, which demonstrated trapping of antihydrogen atoms in 2010, and the first laser spectroscopy of antihydrogen in 2016. He holds numerous prestigious awards and is a member of the Royal Danish Academy of Sciences and Letters.

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