

EPP-2021, 10-12 March 2021
(online)



International Online Workshop

Electrons, Photons and Plasmons 2021

10-12 March 2021

Organizers

Fabrizio Carbone (EPFL, Switzerland)

Alexey Kuzmenko (Uni. Geneva, Switzerland)

Invited speakers

Peter Abbamonte (Uni. Illinois, USA)

Dirk van der Marel (Uni. Geneva, Switzerland)

Dimitri Basov (Columbia Uni., USA)

Tetiana Slipchenko (CSIC, Spain)

Regina Ciancio (CNR, Italy)

Alex McLeod (Columbia Uni., USA)

Michael Fogler (UCSD, USA)

Matteo Mitrano (Uni. Illinois, USA)

Javier Garcia de Abajo (ICFO/ICREA, Spain)

Marco Polini (IIT, Italy)

Rainer Hillenbrand (nanoGUNE, Spain)

Claus Ropers (Uni. Gottingen, Germany)

Fritz Keilmann (LMU, Germany)

Angel Rubio (Max-Planck Inst., Germany)

Mattheu Kociak (Uni. Paris-Sud, France)

Thomas Taubner (RWTH, Germany)

Frank Koppens (ICFO, Spain)

Giovanni Vanacore (Uni. Milano, Italy)

Yixi Zhou (Uni. Geneva, Switzerland)

Scope and program

Electron-energy loss spectroscopy (EELS) and scanning near-field optical microscopy (SNOM) are powerful and rapidly developing techniques to study various spatially and temporally textured excitations in solids and molecules, such as plasmons. While they ultimately yield similar information on such modes using respectively electrons and photons as probing particles, the mechanism through which these techniques do so can be radically different. The goal of this workshop is to bring together EELS and SNOM experts in order to exchange on the recent progress in these methods and to discuss their possible symbiosis. The topics will cover fundamental research, instrumentation, modelling and applications.

The workshop will be held online during three days (10-12 March 2021) from 3pm to 8pm CET. Every day there will be 1 tutorial/research talk (40 min), followed by 6 research talks (25 min), a discussion session and a poster session.

Registration

All participants are requested to register in advance using the website <https://epp2021.ch>. There is no registration fee. Young scientists and female participants are highly welcome.