

LMA WEBINARS 2020

PHASE PLATES IN TRANSMISSION ELECTRON MICROSCOPY

This webinar will give an introduction on physical phase plates (PP) for transmission electron microscopy. By imposing a relative phase shift between scattered and unscattered electrons, PPs give the opportunity to enhance phase contrast of thin electron-transparent objects. I will give an overview over different PP approaches and fields of application focusing on electrostatic PPs as well as on the recently developed hole-free PP, which has overcome many of the problems of previous designs and has led to numerous applications mainly in the field of biology and medicine.

SPEAKER

Simon Hettler

Simon Hettler obtained his PhD at the Karlsruhe Institute of Technology (KIT) in Germany working on electrostatic PPs. After two research stays at NINT in Edmonton, Canada and a Carl-Zeiss postdoctoral fellowship at the KIT on electron-beam shaping, he got a Postdoc position at the University of Zaragoza (UZ) working on the analysis of different nanomaterials. Currently he is a DFG research fellow at the UZ studying the combination of PPs with aberration correction.

We invite you to attend this webinar

APRIL 30, 2021, 12:00

ZOOM WEBINAR: [HTTPS://BIT.LY/3ECMXRI](https://bit.ly/3ECMXRI)



@LMA_UNIZAR



lma@unizar.es



bit.ly/3pgT6Y7