

Condensed Matter and Nanostructure Physics

Convener: Simone Napolitano (ULB), Forum-A

- 14:30 – 15:10 Invited talk: **Mark Geoghegan** (University of Sheffield, UK)
[*How surface topography, properties, and nanostructure controls single polymer interfacial diffusion*](#)
- 15:10 – 15:30 **Shova Neupane** (UHasselt)
[*Controlling Localized Corrosion by Lateral Modification of Surfactant Inhibitors*](#)
- 15:30 – 15:50 **Kristof Moors** (KULeuven)
[*Supersonic flow and negative local resistance in hydrodynamic Dirac electron nozzles*](#)
- 15:50 – 16:10 **Andra Iordanescu** (UCLouvain)
[*Interferometric measurement of an electrically-biased tip perturbation*](#)
- 16:10 – 16:30 **Serghei Klimin** (UAntwerpen)
[*Collective excitations in one- and two-band condensed*](#)
- 16:30 – 16:50 **Coffee break**
- 16:50 – 17:10 **Piero Ferrari** (KULeuven)
[*The influence of palladium doping on the geometry and the stability of small cationic gold clusters*](#)
- 17:10 – 17:30 **Michael Sluydts** (UGent)
[*The road to accuracy: machine-learning-accelerated silicon ab initio simulations*](#)

Posters:

- Dietrich Elst** (UAntwerpen)
[*Dielectric Function Method applied to single layer graphene*](#)
- CMN-02-C **Michiel Larmuseau** (UGent)
[*Towards deep active learning using reliable uncertainty estimates*](#)
- CMN-03-C **Danny Vanpoucke** (UHasselt)
[*First principles calculation of vibrational spectra in solids: From fingerprinting defects in diamond to the impact of water in molecular crystals.*](#)
- CMN-04 **Yves Gossuin** (UMons)
[*NMR relaxometry for adsorption studies: proof of concept with copper adsorption on activated alumina*](#)