

Program LEELIS-III

12th November 2018

- 9:35 - 9:40 *Welcome* **Joost Frenken** (ARCNL)
- 9:40 - 10:20 h **Petra Swiderek** (Uni Bremen): Electron-induced Chemistry: Fundamentals and Applications in Nanofabrication
- 10:20 - 10:50 h *Coffee break (included in registration fee)*
- 10:50-12:10 h **Armin Kleibert** (PSI): X-ray photo-emission microscopy as a versatile tool for surface and interface investigations at the nanoscale
Wolfgang Werner (TU Wien): Investigation of low energy electrons interacting with PMMA using one- and two-electron spectroscopies.
- 12:10 - 13:20 h *Lunch (included in registration fee)*
- 13:20-15:20 h **Ivan Pollentier** (Imec): Unraveling the chemical reactions of photoresists upon exposure with EUV
Greg Denbeaux (SUNY Polytechnic): Understanding secondary electrons interactions in chemically amplified EUV resists
Ivan Bepalov (ARCNL): Investigations of EUV resists with Low Energy Electrons Microscopy
- 15:20 - 17:30 h *Poster session*
- 18:30 h *Dinner (included in registration fee)*

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- 9:00 - 10:20 h **Ruben Maas** (ASML): Accurate CD-SEM metrology for lithography
Alex Vaglio Pret (KLA-Tencor): Modelling and simulation of electron scattering in organic and inorganic EUV lithography
- 10:20 - 10:40 h *Coffee break (included in registration fee)*
- 10:40 – 11:40 h *Students talks x 3: Kerim Tugrul Arat, Yu Zhang & Carmen Popescu*
- 11:40 - 12:20 h **Petra Rudolf** (RUG): Electron-induced reactions for growth of novel materials
- 12:20 - 13:20 h *Lunch (included in registration fee) & posters*
- 13:20 - 14:00 **Alex Guiliani** (SOLEIL): Electron impact activation of isolated ions in a linear ion trap
- 14:00 - 14:40h **Ruud Tromp** (IBM): Low energy electron interactions with thin resist films - a new perspective
- 14:40 - 14:50 h *Poster Prize Award, close of meeting*

15:00 -

*Option of a scenic boat-trip on the Amsterdam canals.
(Not covered by registration fee, costs ~€20 p.p.)*