

# Optical Spectroscopy Workshop

When: 21<sup>st</sup> September

Where: AUD 1<sup>st</sup> floor, iGent, Technologiepark Zwijnaarde 15, 9052 Ghent

\*Register here: <https://webappsx.ugent.be/eventManager/events/spectroscopy>

*\* Registration is free of charge but mandatory in view of catering*

## Agenda:

9:00 Registration

### **Morning session: Optical spectroscopy : Research and technologies**

9:30-10:15 Keynote talk- "Innovation in Spectroscopy driven by modern Astrophysics," by Martin Roth from innoFSPEC, Postdam , Germany

### **Research in NB-Photonics**

10:15-10:30 "Luminescence spectroscopy of inorganic phosphors from multiple perspectives" by Philippe Smet, LumiLab, UGent

10:30-10:45 "*Ultrafast Optical Spectroscopy of Solution Processable Nanomaterials for On-Chip Light Amplification* " by Pieter Geiregat, PCN, UGent

10:45-11:15 coffee break

11:15-11:30 "Silicon-on-insulator mid-infrared spectrometers for sensing applications" by Anton Vasiliev, PRG, UGent

11:30-11:45 "*Waveguide-based Lab-on-a-chip platform for ultra-compact and low-cost Raman spectroscopy*" by Haolan Zhao , PRG, UGent

11:45-12:00 talk by Avantes

12:00-12:15 "*High performance spectrophotometry for in situ and combinatorial measurements,*"- Showcasing the new spectrophotometer of UGent (speaker TBC)

12:15-12:45 Poster session

12:45-13:30 Lunch

### **Afternoon session: Optical spectroscopy in life sciences and medicine**

13:30-14:15 Keynote talk- "Optical spectroscopy: from lab to clinic," by Ton Van Leeuwen, University of Amsterdam

14:15-14:45 Invited talk- "The implementation of optical spectroscopy for process monitoring and control in pharmaceutical manufacturing: a case study," by Laurens De Meyer, Laboratory of Pharmaceutical Process Analytical Technology, UGent

14:45-15:15 coffee break

15:15-16:00 Keynote talk- "Hyperspectral imaging: state of technology for medical applications," by Klaas Tack, imec, Leuven

16:00-16:30 Talk on Center of Expertise-NB-Photonics

16:30 General Q&A and wrap-up followed by reception