



Advanced Spectroscopy in Chemistry ~ Summer School 2025 ~ Helsinki

Monday June 9	Tuesday June 10	Wednesday June 11	Thursday June 12	Friday June 13
	9:15–9:30 Welcome 9:30–10:30 Ralf Tonner-Zech Coffee break 30 min 11:00–12:00 Daniele Cortecchia 12:00 – 13:30 Lunch 13:30–14:45 Michał Wozniakiewicz Coffee break 30 min 15:15–16:00 Jekaterina Mazina-Šinkar Free time + All participants: Joint dinner @19:15 in Suomenlinna Brewery (on an island, take ferry from <i>Kauppatori</i>; HSL ticket valid)	09:15–10:15 Filip Ekholm 10:15–10:30 Diana Barakhtii Coffee break 30 min 11:00–11:45 Pedro Camargo 11:45–12:00 MD M. 12:00 – 13:30 Lunch 13:30–14:30 Matti Rissanen 14:30–14:45 Federica Bortolussi Coffee break 30 min 15:15 – 16:30 MT presentations by ASC students (5 x 15 min) 16:30 – 17:45 Poster session 18-19 All participants: Helsinki City Reception in Empiresali (Aleksanterinkatu 20)	9:15–10:15 Theo Kurtén 10:15–10:30 Hongye Zhao Coffee break 30 min 11:00–12:00 Lise Deschutter 12:00 – 13:30 Lunch 13:30–14:00 Katriona Kalliomäki 14:00–14:30 HJ Jost 14:30–14:45 Fariba Partovi Coffee break 30 min 15:15– 16:15 MT presentations by ASC students (4 x 15 min) 18–21 Students-only program	09:15–10:15 Sarah Butcher 10:15–10:30 Kyrlyto Bisikalo 10:45 – 11:15 Petra Vasko 11:15 – 12:00 Vladimir Aseyev 12:00 – 13:00 Lunch 13:00–14:00 Closing session Student dinner at UniCafe Kaivopiha (Mannerheimintie 3) Open until 19:45

Venues in Helsinki city centre, appr. 20 min. from Töölö Towers by tram:

- **Tuesday to Thursday** – Porthania building. Address: *Yliopistonkatu 3*
- **Friday** – U33, Banquet Room 303. Address: *Unioninkatu 33*



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Topics of confirmed lectures:

- **Ralf Tonner-Zech**, "Atomic layer deposition - a first principles perspective"
- **Daniele Cortecchia**, "Structural and optoelectronic properties correlations in metal halide perovskites"
- **Michał Wozniakiewicz**, "Application of capillary electrophoresis in forensic analysis"
- **Jekaterina Mazina-Šinkar**, "Turning Ideas into Ventures: The Journey from Scientific research to Commercialization"
- **Filip Ekholm**, "Adventures in the Biomolecular Landscape"
- **Diana Barakhtii**, "BNCT: Battling Tumors and Deadlines"
- **Pedro Camargo**, "Sunlight, Startups & World Domination (from the Dark Labs of HEL)"
- **Md Mofakkarulhashan**, "Catalyst as a core of Green Hydrogen"
- **Matti Rissanen**, "From volatile to non-volatile in sub-second timescales"
- **Federica Bortolussi**, "Machine learning applications in the world of mass spectrometry analyses"
- **Theo Kurten**, Atmospheric chemistry, computational chemistry
- **Hongye Zhao**, "Rapid alkoxy radical reactions in bimolecular complexes"
- **Lise Deschutter**, "From ASC to indoor air quality in a startup"
- **Katriina Kalliomäki**, "From challenges to solutions: Working in Analytics at Kemira"
- **HJ Jost**, "Karsa: Analyzing air for a safer tomorrow"
- **Fariba Partovi**, TBA (mass spectrometry)
- **Sarah Butcher**, TBA (Microbiology, structural characterization)
- **Kyrylo Bisikalo**, "Structural biology as a valuable tool for drug design."
- **Petra Vasko**, "How I got to be an academic and a junior research group leader"
- **Vladimir Aseyev**, "How to make a good presentation"

Master's student presentations, Wednesday

1. **Philipp Gansen**, "How to avoid spectroscopy - part 1"
2. **Franka Ninov**, "How to avoid spectroscopy - part 2"
3. **Laura Nathalia Díaz Roza**, "Spectroscopic properties of 2D/3D organic-inorganic materials for energy and optoelectronics"
4. **Aidana Eshesheva**, "Synthesis and Characterization of Layered Double Hydroxides in H₂O and CO₂ Environments for the Production of Energy Vectors"
5. **Mauricio Jesus Sarmiento Perez**, "Performance evaluation against ageing of Silane and Inralac coatings for quaternary bronze"

Master's student presentations, Thursday

1. **Giorgia Incaminato**, "Mercury Surface UV-Vis-NIR Spectral Reflectance: Role of Graphite"
2. **Nadia Milaneze**, "Synthesis and characterization of trans-OAHFAs"
3. **Millene Ribeiro**, "Method Improvement for the Determination of TNT and its Degradation Compounds in Marine Sediment by GC-MS/MS"
4. **Ilia Elizbarian**, "TBA"