

Program

Sunday, Aug. 7

18:30 Dinner

20:00 After-dinner lecture
Chair: Villy Sundström
Douwe A. Wiersma
Echo's of the past, flashlight on the future

Monday, Aug. 8

Chair: Tönu Pullerits
9:00 Graham Fleming
Two-Dimensional Electronic-Vibrational Spectroscopy of Complex Molecular Systems

9:45 John Wright
Floquet State Spectroscopy – The Heart of Multidimensional Spectroscopy

10:30 Coffee

Chair: Oliver Kühn
11:00 Shaul Mukamel
History of multidimensional spectroscopy; from NMR to X rays

11:45 Yoshitaka Tanimura
Modeling and analyzing 2D IR-mid IR spectrum of liquid water: Hierarchical equations of motion (HEOM) approach

12:30 Lunch

Chair: Tomáš Mančal
14:00 Peter Hamm
Molecular Clustering in Solution and on Surfaces

14:45 Martin Zanni
Voltage-gated 2D IR spectroscopy of solvation dynamics and ion channel structures

15:30 Coffee

Chair: Donatas Zigmantas

16:00 David Jonas

Femtosecond 2DFT Spectroscopy Resolves Disorder to Reveal Reactive Dynamics, Even Under the Quantum Zero-Point

16:45 Minhaeng Cho

Interference spectroscopy and microscopy: From single-photon interferometry to brain tissue imaging

18:30 Dinner

Tuesday, Aug. 9

Chair:

9:00 Michael D. Fayer

Ultrafast 2D IR Chemical Exchange Spectroscopy

9:45 Kevin Kubarych

Chemical Applications of Multidimensional Optical Spectroscopy

10:30 Coffee

Chair:

11:00 Steven Cundiff

Optical Multidimensional Coherent Spectroscopy of Nanostructures and Defects

11:45 Dwayne Miller

How does Chemistry Scale in Complexity to Biological Systems?

12:45 – 17:45

Excursion, spa, free time. More information will come

18:30 Dinner

20:00 Poster session, everyone is encouraged to bring posters

Wednesday, Aug. 10

- Chair: Maria Abrahamsson
- 9:00 Gregory D. Scholes
Coherence Phenomena Enhance the Spectroscopic Ruler
- 9:45 Elisabetta Collini
Coherent multidimensional techniques for the characterization of nanomaterials
- 10:30 Coffee
- Chair: Bo Albinsson
- 11:00 Tobias Brixner
High-order spectroscopy of multi-particle dynamics
- 11:45 Andrew Marcus
Ensemble and single-molecule studies of the local conformations, conformational disorder and dynamics of exciton-coupled cyanine dimer-labeled DNA fork constructs
- 12:30 Lunch
- Chair: Johan Mauritsson
- 14:00 Majed Chergui
On the way to short-wavelength multidimensional spectroscopies
- 14:45 Giulio Cerullo
Ultrafast processes in heterostructures of 2D materials
- 15:30 Coffee
- Chair:
- 16:00 Keith Nelson
2D THz spectroscopy of molecules and materials
- 16:45 Thomas Elsaesser
Charge dynamics in polar liquids and biomolecules mapped by 2D infrared and terahertz spectroscopy
- 18.30 Dinner/Banquet

Thursday, Aug. 11

Direct bus to CPH at ~8.00, arrival no later than 10.00

