

Nanophotonics in Toruń
18th – 21st September 2022, Toruń, Poland

Sunday (Bulwar Hotel)	
18.00 – 19.00	David Norris, Optical and electronic Fourier surfaces
19.00 – 21.00	Welcoming glass of wine
Monday (Institute of Physics, NCU)	
9.00 - 9.45	Joel Cox, Nonlinear and quantum nano-optics with atomically-thin materials
9.45 – 10.30	Diego Martin Cano, Optomechanics with molecules: long-lived vibrational memories and SERS principles
10.30 – 11.00	Coffee break
11.00 – 11.45	Alexandre Bouhelier, The case of nonlinear photoluminescence in plasmonics
11.45 – 12.30	Achim Hartschuh, Ultrafast microscopy of single nanostructures
12.30 – 13.00	Joanna Niedziolka-Jonsson, Spatial organization of silver nanowires for advanced photonics
13.00 – 14.30	Lunch
14.30 – 15.15	Nika Akopian, Multi-Qubit Photonic Device
15.15 – 16.00	Doris Reiter, Exciting quantum dots via the SUPER scheme
16.00 – 16.30	Paweł Machnikowski, Resonance fluorescence of a quantum system with modulated transition energy
16.30 – 17.00	Piotr Kossacki, Neutral and charged exciton interactions in MoSe₂ monolayer
17.30 – 19.00	Poster session (Institute of Physics, NCU)
17.30 – 19.00	Lab tour (Institute of Physics, NCU)

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Tuesday (Institute of Physics, NCU)	
9.45 – 10.30	Andres Ayuela, Optical properties of quantum dots with localized states induced by impurities or being surface terminated
10.30 – 11.00	Coffee break
11.00 – 11.45	Jakub Dostalek, Plasmonic Nanostructures with Responsive Polymer Interfaces for Actuating and Biosensing
11.45 – 12.30	Guillaume Baffou, Quantitative phase microscopy for nano and bio
12.30 – 13.15	Łukasz Kłopotowski, On the photoluminescence mechanism in I-III-VI colloidal quantum dots
13.15 – 15.00	Lunch
15.00 – 15.45	Ivan Fernandez-Corbaton, Computing the optical response of molecular materials: from nano to device scales
15.45 – 16.15	Jan Suffczyński, Exciton-polaritons in coupled microcavities in linear and non-linear regime
16.15 – 16.45	Grzegorz Sęk, Recent results on epitaxial quantum dots as efficient single photon emitters at the telecommunication wavelengths
19.00 – 22.00	Conference dinner (Bulwar Hotel)
Wednesday (check-out)	