



Università
di Camerino



Universiteit
Antwerpen



ISTITUTO OFFICINA
DEI MATERIALI



FLEET International Conference 2023

Transport in exciton condensates and exciton insulators

San Benedetto del Tronto, Italy - September 11, 2023

University of Camerino - Campus of the University of Camerino - URDIS - Lungomare Scipioni, 6

Invited Speakers

Sara Conti University of Antwerp, Belgium (*online talk*)

Stefania De Palo CNR-IOM, Trieste, Italy

Dmitri Efimkin Monash University, Australia

Michael S. Fuhrer Monash University, Australia

Alexander R. Hamilton University of New South Wales (UNSW),
Sydney, Australia

Oleh Klochan University of New South Wales (UNSW), Sydney,
Australia

Zeb Krix University of New South Wales (UNSW), Sydney, Australia

David Neilson University of Antwerp, Belgium

Fredrik Nilsson Technical University of Denmark, Kongens Lyngby,
Denmark

Filippo Pascucci University of Antwerp, Belgium and University of
Camerino, Italy

Massimo Rontani CNR-NANO, Italy

Jie Shan Cornell, USA (*online talk*)

Scientific and Organizing Committee

Sara Conti, University of Antwerp, Belgium

Stefania De Palo, CNR-IOM, Trieste, Italy

Alexander R. Hamilton, University of New South Wales, Sydney,
Australia

Milorad V. Milošević, University of Antwerp, Belgium

David Neilson, University of Antwerp, Belgium

Andrea Perali (Chair), University of Camerino, Italy

Main Topics:

- Electron-hole superfluidity: theory and numerical simulations.
- Experimental realization of electron-hole superfluidity in van der Waals heterostructures and semiconducting double quantum wells.
- Transport and collective phenomena.
- Exciton condensates and Exciton insulators.
- Analogous systems with ultracold dipolar atoms: perspectives and first experiments.
- The quest for supersolidity with exciton condensates.

Journal Sponsor

