

Joan van der Waals colloquium



Fall semester 2021

29. Oct **Louise Jawerth** Leiden University
Louise's group focuses on using principles from soft condensed matter physics to understand important biological materials, for instance, protein condensates. *Hosts: Milan Allan & Wolfgang Löffler*

26. Nov **Justin Ye** University of Groningen
Justin designs, makes, and investigates fancy new 2D materials, where new behaviour emerges from competing interactions of electronic, magnetic and structural origin. *Host: Jan Aarts*

10. Dec **Richard Warburton** University of Basel
Richard's lab investigates light-matter interactions, for instance, using extremely high-quality optical cavities to make light interact extraordinarily strong with semiconductor quantum dots. *Hosts: Martin van Exter & Wolfgang Löffler*

Spring semester 2022

18. Feb **Florian Schreck** University of Amsterdam
Florian's lab makes ultracold quantum gases and does exciting experiments with them, from continuous atom lasers to next-generation ultra-precise clocks. *Hosts: Milan Allan & Wolfgang Löffler*

4. Mar **Markus Morgenstern** RWTH Aachen
Markus and his teams develop next-generation scanning probe techniques and investigate low-dimensional electron systems on the atomic scale. *Hosts: Marcel Rost & Milan Allan*

18. Mar **Katharina Franke** Freie Universität Berlin
Katharina studies molecules and quantum spins on the surface of magnetic and superconducting materials with atomic resolution. *Hosts: Jan van Ruitenbeek & Milan Allan*

1. April **Davide Bigoni** University of Trento
Davide's lab investigates extreme mechanics – from single beams to robots and from nonlinear materials to mechanical metamaterials. *Host: Luca Giomi*

29. April **Anna Sanpera** Universitat Autònoma Barcelona
Anna studies complex quantum systems – from quantum thermodynamics to quantum neural networks. Her interests include quantum information, quantum matter, and quantum optics. *Host: Jordi Tura*

13. May **Frank-J. Meyer zu Heringdorf** Universität Duisburg-Essen
Frank and his group measure the unusual physics that can happen at surfaces, on the nanoscale using LEEM. *Host: Sense Jan van der Molen*

20. May **Christine Silberhorn** Paderborn University
The integrated quantum optics group of Christine designs, produces and investigates essential building blocks for future quantum photonics applications, and does magic with photons. *Host: Wolfgang Löffler*

10. June **Elie Raphaël** ESPCI ParisTech
Elie studies the physics of complex fluids – from interfaces to exiting capillary-gravity waves, also with granular materials. *Hosts: Marine Le Blay & Alexandre Morin*

24. June **Philipp Kukura** University of Oxford
Philipp's group develops and applies new optical methodologies to study (bio)molecular structure and dynamics. *Host: Michel Orrit*

The colloquium is at **16:15 in the Sitterzaal**, followed by a borrel (Beer! Snacks! Physics!). If you would like to talk to the guest, please contact the host, Milan, Wolfgang, or Yvonne (Kerkhof@Physics.LeidenUniv.nl).