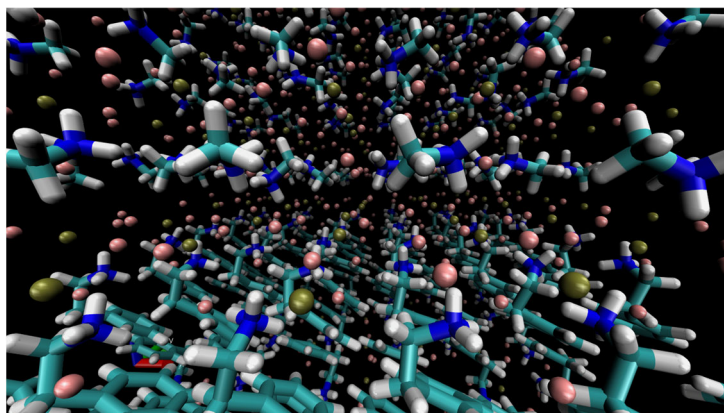


Dual-degree PhD-position in Ultrafast Spectroscopy on low-dimensional perovskites is available

Within the project “2D Spectroscopy of 2D Perovskites”, a PhD position is available at the Nanyang Technical University (NTU, Singapore) and University of Groningen (UG, the Netherlands),.



The aim of the project is to develop fundamental insight in performance of low-dimensional perovskites materials, with the main focus on two-dimensional (2D) correlation spectroscopy as the research tool. As such, the project implies strong collaboration between the groups of [Femtosecond Dynamics Lab](http://www.ntu.edu.sg/home/tzechien/spms) (www.ntu.edu.sg/home/tzechien/spms) headed by Prof. Tze Chien Sum (Singapore) and the [Optical Condensed Matter Physics group](http://www.rug.nl/research/zernike/optical-condensed-matter-physics) (www.rug.nl/research/zernike/optical-condensed-matter-physics) headed by Prof. Maxim Pshenichnikov (Groningen), when the activities and expertise of the both are cross-fertilized to reach the project goals.

The PhD student will gain experience in designing and manufacturing of the low-dimensional perovskites, and applying two-dimensional correlation spectroscopy to reveal their properties. The project is a result of collaborative agreements and a dual PhD programme signed between NTU and UG, highlighting the benefits of strong collaborations between the universities. Under the programme, the PhD candidate will be trained to do high-quality research in both NTU and UG and spend at least a year in the partner university. This will provide opportunities for the PhD student to participate in ground-breaking collaborative research and to learn from world-class groups at both universities, resulting in two PhD degrees, one from each university.

We offer

- PhD degrees from both universities
- Stimulating scientific environment with enthusiastic colleagues from both sides of the globe
- A number of training programs for additional education, supervision and soft academic skills
- A high degree of responsibility and independence, but also interactions and discussions with colleagues
- Exciting teaching opportunities

We require

- Strong motivation and enthusiasm as a researcher
- MSc degree in Physical Chemistry, Physics, Chemistry or equivalent
- Keen interest and strong skills in fundamental Physics/Spectroscopy
- Ability to be a team player who enjoys collaborating with international colleagues
- Fluency in English

Information and application

Please provide an application/motivation letter, emphasizing your specific interest and motivation to apply for this position, a detailed CV, contact details of at least 2 referees, academic transcripts of B.Sc. and M.Sc. education. An (online) interview will be part of the selection procedure.

Send the application package and further inquiries to:

Prof. Tze Chien Sum (tzechien@ntu.edu.sg) or Maxim Pchenitchnikov (M.S.Pchenitchnikov@rug.nl)

Background information

A research-intensive public university, Nanyang Technological University, Singapore (NTU Singapore) has 33,000 undergraduate and postgraduate students in the Engineering, Business, Science, Humanities, Arts, & Social Sciences, and Graduate colleges. Ranked 11th in the world, NTU has been placed the world's top young university for the past six years. The University's main campus is frequently listed among the Top 15 most beautiful university campuses in the world and it has 57 Green Mark-certified (equivalent to LEED-certified) building projects comprising more than 230 buildings, of which 95% are certified Green Mark Platinum.

The University of Groningen (UG) was founded in 1614, making it the oldest university in the Netherlands after Leiden. It is the 3rd largest university in the Netherlands, with over 33,500 students, 450 professors and 5000 employees. UG brought forward 2 Nobel Prize winners: Zernike (1953) and Feringa (2016). RUG is placed in the top 100 universities worldwide according to four international ranking tables. Groningen is a vibrant 1000-year old city in the North of The Netherlands. It combines a rich academic tradition with an attractive city life, characterized by culture, history, and an exciting social scene. Finally, you don't need to speak Dutch – English will perfectly do!