

# Draft Programme HRSMC Symposium

March 17 and 18, 2022, De Duif Amsterdam

## Programme March 17, 2022

- 08:15 Coffee/ tea & registration  
08:55 Opening by Scientific Director – Prof. dr. W.J. (Wybren Jan) Buma  
09:10 Prof. dr. E.W. (Egbert) Meijer (Eindhoven University of Technology)  
*'Non-covalent synthesis of supramolecular systems and materials'*
- Session 1: HRSMC theme 1: 'Synthesis, Characterisation, Reactivity and Properties of Molecules'**  
Chair: Dr. S. (Stefania) Grecea
- 10:00 Prof. dr. F.P.J.T. (Floris) Rutjes (Radboud University)  
*'N-Acyliminium ions revisited'*  
10:30 Coffee/ tea  
11:00 PhD lecture: Christian Marvelous (Leiden University)  
*'Factors Influencing Co(II)-disulfide to Co(III)-thiolate Redox Interconversion'*  
11:20 PostDoc Lecture: Dr. Daniele Mazzarella (University of Amsterdam)  
*'Rapid and direct photocatalytic C(sp<sup>3</sup>)-H acylation and arylation in flow'*
- Session 2: HRSMC theme 2: 'Physical Chemistry and Spectroscopy'**  
Chair: Dr. M.I. (Martina) Huber
- 11:40 Dr. F. (Freek) Ariese (VU Amsterdam)  
*'Faster, stronger, deeper, etc: developments in Raman spectroscopy and imaging'*  
12:10 PhD Lecture: Alexander K. Lemmens (University of Amsterdam)  
*'Surrounded by Carbon'*  
12:30 Lunch - Postersession 1 starts at 13:00  
13:45 PhD Lecture: Mariana C. O. Monteiro (Leiden University)  
*'The role of cations on CO<sub>2</sub> reduction and hydrogen evolution: from understanding to engineering'*
- Session 3: HRSMC theme 3: 'Theoretical Chemistry'**  
Chair: Dr. K (Katharina) Doblhoff-Dier
- 14:05 Prof. dr. G.J. (Geert-Jan) Kroes (Leiden University)  
*'Towards a Chemically Accurate Description of Reactions of Molecules with Transition Metal Surfaces'*  
14:35 Coffee/ tea & Postersession 2 starts at 14:45  
15:30 PhD Lecture: Arno Förster (VU Amsterdam)  
*'Many-Body Perturbation Theory in the GW Approximation and Beyond'*
- 15:50 **Dick Stufkens Prijs Award Ceremony (2020)**  
Introduction by chair of the jury (Prof. dr. E.J. Baerends)  
16:00 Lecture Winner Dick Stufkens Prijs 2020: Dr. Mark Koenis  
*"Advanced Spectra Analysis to Determine Complex Structure and Chirality"*  
16:30 Closure day 1 - Prof. dr. W.J. (Wybren Jan) Buma  
16:45 Reception  
17:45 Staff dinner Restaurant Sluizer (Utrechtsestraat 45, Amsterdam)

## Programme March 18, 2022

- 08:45 Coffee/ tea & registration
- Session 1: HRSMC theme 1: 'Synthesis, Characterisation, Reactivity and Properties of Molecules'**  
Chair: Dr. M.A. (Tati) Fernández Ibáñez
- 9:00 PhD Lecture: Simone Pilon (University of Amsterdam)  
*'Catenane and Rotaxane Synthesis via Covalent Templating'*
- 9:20 PhD Lecture: David Villarón Salgado (Leiden University)  
*'Photocontrolled binding and release of anions in a calix[4]pyrrole receptor'*
- Session 2: HRSMC theme 2: 'Physical Chemistry and Spectroscopy'**  
Chair: Prof. dr. A.M. (Anouk) Rijs
- 9:40 PhD Lecture: Leonardo Passerini (Leiden University)  
*'Intermediates of amyloid aggregation by electron paramagnetic resonance'*
- 10:00 PhD Lecture: Chao-Chun Hsu (University of Amsterdam)  
*'Visualization of Friction in Microscopic Contacts by Shear Induced Ring Opening of a Mechanophore'*
- 10:20 Introduction PhD platform/PhD social activity
- 10:30 Coffee/ tea & Postersession 3 starts at 10:40
- Session 3: HRSMC theme 3: 'Theoretical Chemistry'**  
Chair: Dr. J. (Jocelyne) Vreede
- 11:25 PhD Lecture: Derk P. Kooi (VU Amsterdam)  
*'A new approach to compute van der Waals dispersion interactions without density distortion'*
- 11:45 PhD Lecture: Hannah J. Jonas (University of Amsterdam)  
*'Patchy particle simulations exploring colloidal chemistry'*
- 12:05 **Dick Stufkens Prijs Award Ceremony (2021)**  
Introduction by chair of the jury (Prof. dr. E. Vogt)
- 12:15 Lecture Winner Dick Stufkens Prijs 2021: Dr. Klaas van Leest  
*'Open-Shell Cobalt Complexes with Redox-Active Ligands; Electronic Structure and Nitrene Transfer Reactivity'*
- 12:45 Poster Prize Award - Prof. dr. C.J. (Kees) Elsevier
- 12:55 Closure day 2 - Prof. dr. W.J. (Wybren Jan) Buma
- 13:00 Lunch
- 13:40 Annual Staff Meeting/Social Event PhD/PD/Class of Excellence