

HRSMC Lustrum Symposium 2024 (30th anniversary)

November 14 and 15, Royal Tropical Institute (KIT), Amsterdam

Programme November 14 2024

- 08:15 Coffee/tea & registration
08:45 Opening by Prof. dr. Wybren Jan Buma (*Scientific Director HRSMC*) and Prof. dr. Marileen Dogterom (*President KNAW*)
09:05 The history of HRSMC: Prof. dr. Kees Elsevier (*Member External Advisory Committee HRSMC*)

Session 1: HRSMC theme 1 'Synthesis, Characterization, Reactivity, Properties of Molecules'

Chair: Prof. dr. Bas de Bruin

- 09:15 Prof. Morten P. Meldal (University of Copenhagen, Denmark)
"Molecular Click Adventures. A Leap from the Shoulders of Giants."
09:55 Lars van der Zee (University of Amsterdam)
"Photoinduced Single Electron Transfer in Frustrated Lewis Pairs: An Investigation Along the Pnictogen Series"
10:15 Coffee/tea
10:45 Prof. Burkhard König (University of Regensburg, Germany)
"Better Organic Synthesis with Light"
11:25 Pim Broersen (University of Amsterdam)
"Emerging Strategies in Electrochemical C–N bond Forming Reactions"

Session 2: HRSMC theme 2 'Physical Chemistry and Spectroscopy'

Chair: Prof. dr. Marc Koper

- 11:45 Prof. Richard Friend (University of Cambridge, UK)
"Spin Radical Organic Semiconductors"
12:25 Lunch – Poster session A
13:25 Adarsh Koovakattil Surendran (Radboud University)
"Integration of Mass Spectrometry in Electrochemical Research"
13:45 Prof. Dr. Hans Jakob Würner (ETH Zürich, Switzerland)
"Attosecond Spectroscopy: Observing Electrons in Motion"
14:25 Marleen Hoefnagel (Leiden University)
"Operando Characterization of the Cu-Catalyst Active Sites in Metal Organic Frameworks for Oxygen Reduction"
14:45 Coffee/tea & Poster session B

Session 3: HRSMC theme 3 'Theoretical Chemistry'

Chair: Prof. dr. Matthias Bickelhaupt

- 15:45 Prof. Kendall N. Houk (University of California, CA)
"Frontiers of Pericyclic Reactions"
16:25 Dr. Celine Nieuwland (VU Amsterdam)
"Chalcogen Atom Size: A Key Parameter in Tuning Amide Hydrogen Bonding"

Session 4: Dick Stufkens prijs 2024

Chair: Prof. dr. Wybren Jan Buma

- 16:45 Dick Stufkens prijs winner introduction by Prof. dr. Ronald Hage (*Member External Advisory Committee HRSMC*)
16:55 Lecture of the winner of the Dick Stufkens Prize 2024: Dr. Chao Chun Hsu
"Mechanophore in Probing Local Information within Microscopic Mechanical Contacts"
17:25 Closure by Prof. dr. Peter van Tienderen (*Dean of the Faculty of Science, University of Amsterdam*)
17:35 Reception
18:30 End of day 1 and staff Leaving for dinner

Programme November 15, 2024

08:30 Coffee/tea & registration

Session 1: HRSMC theme 1 'Synthesis, Characterization, Reactivity, Properties of Molecules'

Chair: Dr. Bettina Baumgartner

08:45 Dr. Thomas Hansen (VU Amsterdam)

"Exploring Chemical Glycosylation Reactions: Can we Control Them?"

09:15 Dr. Irene Regeni (Leiden University)

"Ruthenium Peptide Bioconjugates for Photoactivated Chemotherapy"

Session 2: HRSMC theme 2 'Physical Chemistry and Spectroscopy'

Chair: Prof. dr. Irene Groot

09:35 Prof. dr. Katrien Keune (University of Amsterdam)

"Spectroscopic Imaging of Paintings from Macro- to Nanoscale"

10:05 Introduction PhD platform/PhD social activity

10:15 Coffee/tea & Poster session C

11:10 Titus de Haas (Leiden University)

"Impact of Nuclear Dynamics on Photoinduced Hole Transfer in a P1/NiO Photocathode"

Session 3: HRSMC theme 3 'Theoretical Chemistry'

Chair: Dr. Pascal Vermeeren

11:30 Dr. Thanja Lamberts (Leiden University)

12:00 Massimiliano Paesani (University of Amsterdam)

"MetaParticles: Computationally Engineered Nanomaterials with Tunable and Responsive Properties"

12:20 Dr. Alexander Korotkevich (University of Amsterdam)

"AI for Development of Solid Salt Hydrates for Thermal Energy Storage"

Poster Prize Award and Closure

12:40 Poster Prize Award by Prof. dr. Matthias Bickelhaupt

12:50 Closure by Prof. dr. Wybren Jan Buma and lunch

13:45 Annual Staff Meeting