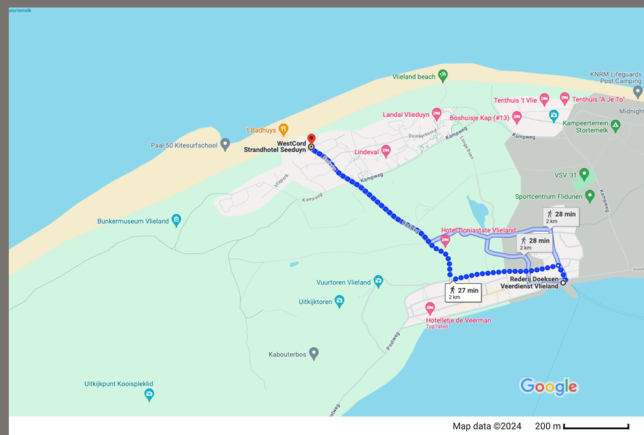


Location

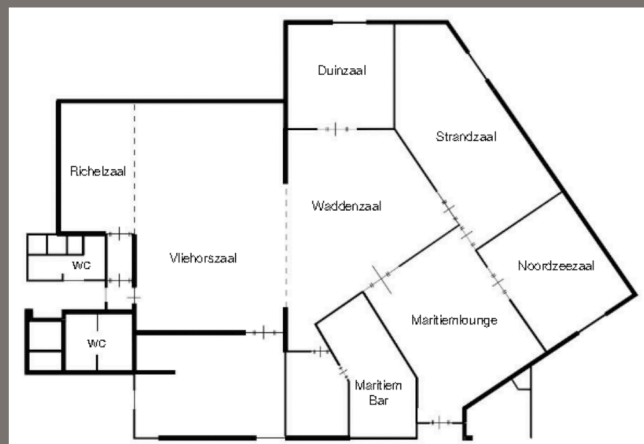


WestCord Strandhotel Seeduyn

Walking route from the harbour



Venue maps



Keynote speaker



Christopher Kuenneth
(Univeristy of Bayreuth, DE)

Christopher Kuenneth is an Assistant Professor at the University of Beyreuth. His research group is dedicated to materials informatics, focusing on democratizing and streamlining the use of machine learning in materials science. Chris' primary focus is on advancing cutting-edge machine learning techniques and applying them to a diverse range of materials.

Invited speakers



Giovanni Maglia
Groningen Biomolecular Sciences &
Biotechnology Institute
GBB

Giovanni is full professor at the GBB Institute. His research interest lies in the characterization and engineering of biological nanopore sensors, using the available tools in chemistry to engineer, modify and redesign protein nanopores for various applications. Giovanni contributed to develop a DNA sequencing technology that is now being commercialized by Oxford Nanopore technologies.



Gosia Wlodarczyk-Biegun
Zernike Institute for Advanced Materials
ZIAM

Gosia is assistant professor at the Zernike Institute (ZIAM). Her research interests are at the interface of materials science, chemistry, biology and physics. Gosia applies 3D (bio)printing techniques to generate complex hierarchical scaffolds of polymeric materials for advanced tissue regeneration. She is interested in the rational design of bioinks with tunable properties.



Johannes Klein
Stratingh Institute for Chemistry
Stratingh

Johannes is associate professor at the Stratingh Institute for Chemistry. His group combines the fields of experimental (bio)inorganic chemistry with elements from organic, physical and computational/theoretical chemistry. The primary focus of the research activities that provides a general underlying theme is Johannes' interest in catalysts for oxidation chemistry.



7-9 June
Vlieland 2026



university of
groningen

faculty of science
and engineering

zernike institute for
advanced materials

Organizing committee:

Andrea Giuntoli
Thomas La Cour Jansen
Gosia Wlodarczyk-Biegun
Jeannette de Boer

Siewert-Jan Marrink
Michael Lerch
Adivit Mukherjee
Stone Zhao



Programme

Sunday | June 7

12.00 Buses depart from Zernikelaan
(Gather at AH to go Bernoulliborg)

14.05 Ferry leaves for Vlieland

16.00 Arrival at the hotel Seeduyn

17.20 Opening by Moniek Tromp

Session 1 Wouter Roos (Chair)

17.30 **Douwe van Netten (PhD, Grubisic-Cabo)**
Bi-induced Activation of Surface Oxidation in PtTe₂

17.45 **Adrivit Mukherjee (PD, Kamperman)**
Planting the Future: Mechanically Adaptive
Hydrogel Microenvironments Guide Plant Cell
Regeneration

18.00 **Emiel de Wit (PhD, Hoekstra)**
The Hop-Skip-Jump Mechanism: Investigating
Femtosecond Dynamics in Ion Collisions with H₂

18.15 FLASH POSTER 1

19.00 Dinner
(Put up poster for poster session 1)

Keynote - Christopher Kuenneth (University of Bayreuth)

21.30 Materials by design, not by chance: accelerating
material innovation through informatics

Session chair: Andrea Giuntoli

Monday | June 8

07.00 Run, walk, martial arts (optional)

07.45 Breakfast

Session 2 Maxim Pchenitnikov (Chair)

08.45 **Invited - Giovanni Maglia (GBB)**
Single-molecule Proteomics Using Nanopores

09.05 **Xingang Liu (PhD, van der Wel)**
NMR-based Analysis of the Molecular Architecture
and Enzymatic Stability of Dopamine-Modified
Hyaluronan

09.20 **Kurea Nakagawa (PD, Guimaraes)**
Room Temperature Observation of Intrinsic
Nonlinear Thermoelectric Effects in Low-Symmetry
Semimetals

09.35 **Gustavo Chavez Ponce de Leon (PhD, Palasantzas)**
Switching Places: Unexpected Anisotropic Mn-Sb
Anti-site Distribution in Magnetic Topological Insulator
MnSb₂Te₄

09.50 Poster Session 1 & Coffee + Career Corner

Session 3 Marcos Guimaraes (Chair)

11.45 **Fransien Elhorst (PhD, Koster)**
Quantifying the Mobile Ion Mobility in Perovskite Solar
Cells via Scan-rate-dependent Current-Voltage
Characteristics

12.00 **Jintao Hu (PhD, Maniar)**
Effect of Complexation Temperature on the Helical
Structure and Properties of Amylose- α -linolenic Acid
Complexes

12.15 **Ali Fakhrolmobasheri (PhD, van der Zaag)**
Use Basic Physics to Explain Biological Processes

12.30 **Piotr Popek (PhD, Kooi)**
Significance of Cryogenic Neuromorphic Computing. A
Dedicated Phase Change Memory Development

12.45 Lunch & Free time
(Remove poster for poster session 1)
(Put up poster session 2)

Session 4 Dina Maniar (Chair)

15.45 **Invited - Johannes Klein (Stringth)**
Oxidation State Changes in Reactions of Molecular
Gold Complexes: from Formal to Physical Principles

16.05 **Ishitro Bhaduri (PhD, Banerjee)**
Tunable Multi-bit Stochasticity in La_{0.67}Sr_{0.33}
MnO₃-based Probabilistic Bits

16.20 **Mohammad Habibi (PhD, Onck)**
Modeling the Effect of Pore Dilation and Constriction
in Human Nuclear Pore Complexes

16.35 **María Teresa Lopez Carrasco (PhD, Guimaraes)**
Coulomb Engineering for Anisotropic Light Emission
in WSe₂/CrPS₄ Heterostructures

16.50 FLASH POSTER 2

17.30 Poster Session 2 & Coffee + Career Corner

18.30 Dinner + PI meeting (20:00-21:30)

21.30 Social evening

Tuesday | June 9

07.00 Run, walk, martial arts (optional)

07.45 Breakfast
(Put up poster session 3)

Session 5 Caspar van der Wal (Chair)

08.45 **Gosia Wlodarczyk-Biegun (ZIAM)**
Printing like a girl: Engineering Living Complexity
across Scales

09.05 **Jingtian Zhao (PhD, Noheda)**
Ultralow Power Ferroelectric Devices on Silicon

09.20 **Nikhil Garg (PD, Chicca)**
Stochastic Spiking Wireless Multimodal Sensory
Systems

09.35 FLASH POSTER 3

10.10 Preparations for departure
(Vacating room/handling over keys, etc)

11.00 Poster Session 3 & Coffee + Career Corner

Session 6 Loredana Protesescu (Chair)

12.00 **Micaela Fernandes (PhD, Wlodarczyk-Biegun)**
Responsive Gelatin Microgels as 3D Printing Inks

12.15 **Yanchao Wang (PhD, Pollice)**
Closed-Loop Optimization of NHC-based
Organocatalysts for the Insertion of CO₂ into Epoxides

12.30 **Rick Beltman (PhD, van der Wal)**
The Hidden Memory of Crystal Field Symmetry in SiC
Color Center Defects: Implications for Driving Spin-Flip
Transitions

12.45 **Sietse Dijt (PhD, Vlijm)**
CENP-A organization throughout Mitosis Visualized by
STED Microscopy

13.00 Hot Lunch

Session 7 Moniek Tromp (Chair)

14.05 **Sundar Raj Krishnaswamy (PD, Pchenitnikov)**
Realtime Monitoring of Self-assembly of Molecular
Nanotubes

14.20 **Louis Moussi (PhD, Loos)**
Renewable Urethane Vitrimers for Sustainable
Additive Manufacturing

14.35 **Chao Chen Ye (PhD, Slawinska)**
Identification of Topological Phases and Quantized
Spin Hall Conductivity in 2D Bilayer ZrTe₅

14.50 **Award Ceremony & Closing by Moniek Tromp**
Coffee break

16.00 Depature from Hotel

16.50 Ferry leaves from Harlingen Harbor

18.30 Buses depart for Groningen

20.00 Arrival at Zernike, Groningen