

FMS-ICMS Topical Seminar on Supramolecular Hydrogels
Supramolecular hydrogels in action: synthesis, properties, and applications

Tuesday 7 April 2015
From 12:45h to 18:00h

Where:

Eindhoven University of Technology
Institute for Complex Molecular Systems
Groene Loper, Building 7 (Ceres)
If you go by car, use the following address on the navigation system:
De Zaale, 5612 AJ Eindhoven
Room CE 0.31

Program:

Chairs: Prof. Bert Meijer and Prof. Alan Rowan

- 12:00 Lunch available for speakers
- 12:45 Welcome by chairs
- 12:50 [Prof. Huib Bakker](#) (AMOLF)
TBA
- 13:10 [Dr. Paul Kouwer](#) (Radboud University)
The mechanics of strain-responsive hydrogels
- 13:30 [Prof. Fred MacKintosh](#) (Vrije Universiteit)
Surprises in extracellular matrix mechanics
- 14:00 BREAK
- 14:20 [Dr. Yves Rezus](#) (AMOLF)
2DIR spectroscopy: measuring ultrafast molecular motions
- 14:40 [Prof. Bert Meijer](#) (TU Eindhoven)
Supramolecular hydrogels; some generalities and peculiarities
- 15:00 [Prof. Rint Sijbesma](#) (TU Eindhoven)
Tuning of timescales in hydrogels
- 15:20 [Prof. Jan van Esch](#) (TU Delft)
TBA
- 15:50 BREAK
- 16:20 [Prof. Martin Möller](#) (DWI – Leibniz-Institut für Interaktive Materialien e.V.)
Functional and Light-Actuated Microgels – from responsive hydrogels towards microscopic locomotor systems
- 16:50 [Prof. Alan Rowan](#) (Radboud University)
Strain stiffening gels for directed cell fate
- 17:10 [Dr. Patricia Dankers](#) (TU Eindhoven)
Supramolecular ureido-pyrimidinone based hydrogels for regenerative medicine
- 17:30 Final discussion and remarks
- 18:00 End of the seminar. Drinks and snacks

Seminar website: <http://fmsresearch.nl/fms-topical-seminars/supramolecular-hydrogels/>