

INTRODUCTION TO SOME OF OUR PLENARISTS



Krzysztof Matyjaszewski is a professor at the Department of Chemistry of Carnegie Mellon University. He is one of the most known polymer chemists in the world. He has been cited over 65 000 times in the scientific literature and is probably best known for the invention of atom transfer radical polymerization (ATRP). He will give a plenary titled: **Bioconjugate Hybrid Materials Prepared by Atom Transfer Radical Polymerization**

For more information about prof. Matyjaszewski see www.cmu.edu/maty



Henning Winter is a professor at the Laboratory for Experimental Rheology at the University of Massachusetts Amherst. His current research focuses on experimental polymer rheology and novel polymeric materials through processing. He will give a plenary titled: **Mysterious Gelation Rheology - More Questions than Answers**

For more information on prof. Winter see <http://che.umass.edu/faculty/henning-winter>



Françoise Winnik is a professor at the Faculty of Pharmacy and Department of Chemistry, University of Montreal. Her expertise encompasses the chemistry of water soluble, amphiphilic, synthetic and natural polymers, their self-assembly in water and their applications in nanomedicine and as delivery vehicles. She was among the first to study the physico-chemical properties of poly(N-isopropylacrylamide) "PNIPAM" in water. Her group has pioneered the applications of microcalorimetry, such as pressure perturbation calorimetry (PPC) and fluorescence techniques to study aqueous polymer solutions. She will give a plenary titled: **Thermo/photo/pH sensitive nanogels as stabilizers of Pickering high internal phase emulsions**

For more information about prof. Winnik see www.francoisewinnik.com



Jan Vermant is a professor at the Soft Materials laboratory at Materials Department of ETH Zürich. His research focuses on the science and engineering on complex fluid-fluid interfaces, processing of multiphase materials and directed self-assembly, soft biological materials and rheology and structure formation in soft matter composites. He will give a plenary titled: **Rheology of complex fluid-fluid interfaces**

For more information on prof. Vermant see: <http://www.softmat.mat.ethz.ch/>



Dr. Tsuguyuki Saito graduated from the University of Tokyo in 2003, and obtained his PhD from the same university in 2008. During his PhD studies he was awarded a Marie-Curie Fellowship, which supported his work with Dr. Nishiyama at CERMAV, France. He also worked as a visiting scientist with Prof. Lars Berglund at the Royal Institute of Technology, Sweden during 2012 and 2013. He is currently working as an Associate Professor at the University of Tokyo



Suomen Puu- ja Polymerikemian Yhdistys
Finska Trä- och Polymerkemiska Föreningen
Society for Wood and Polymer Chemistry in Finland



Aalto University



2nd Circular, NPD-NRC 2016 Helsinki, Finland, May 30 - June 1



Nordic Polymer Days

NPD

2016

NRC

Nordic Rheology Conference

Nordic Polymer Days (NPD) and Nordic Rheology Conference (NRC) will be organized in 2016 as a combined event at the University of Helsinki.

Presentations in all areas of wood science, polymer science or rheology are welcome.

Nordic Polymer Days (NPD) and Nordic Rheology Conference (NRC) are annual meetings circulating among the Nordic countries. Both have a long history - in 2016 NPD is organized for the 53rd time and NRC for the 25th time. It has often been discussed among the organizers and participants of these events whether they could be organized at the same time, since both have had overlapping themes and audience. In 2016 this is going to happen. The combined NPD+NRC conference in Helsinki 30.5.-1.6. is for all those interested in wood science, polymer science or rheology. The meeting will be organized by the Society of Wood and Polymer Chemistry in Finland, Nordic Rheology Society, Department of Chemistry, University of Helsinki, Åbo Akademi, VTT, Department of Forest Products, Aalto University and Department of Biotechnology and Chemical Technology, Aalto University.

SPECIAL THEMES

Advanced polymers and synthesis
Biopolymers and bioeconomy
Polymer based innovations
Analytics
Polymer Rheology

PLENARY SPEAKERS

Krzysztof Matyjaszewski - Carnegie Mellon University
Niklas Nordgren – SP Technical Research Institute of Sweden
Robin Ras – Aalto University
Tsuguyuki Saito - The University of Tokyo
Jan Vermant – ETH Zurich
Françoise Winnik - University of Montreal
H. Henning Winter – UMass Amherst

REGISTRATION

Registration fees	Early bird until March 15 th	After March 15 th
Participants	500 €	550 €
Students	300 €	340 €
Accompanying person*	150 €	150 €

The registration fee includes lunches and coffees on all conference days, book of abstracts, get-together party, and conference dinner.

* Conference dinner and get-together party only

CALL FOR PAPERS

We kindly invite presentations in the areas of wood and polymer science and rheology. We would also like to encourage PhD. students to submit contributions from their work. Many of the now established and well-recognized scientists in both Academia and Industry in the Nordic countries had their debut at one of the previous Nordic Polymer Days and Nordic Rheology Conferences.

The deadline for abstracts is 1st April 2016

All abstracts will be published in the conference's book of abstracts.

ANNUAL TRANSACTIONS OF THE NORDIC RHEOLOGY SOCIETY

Nordic Rheology Conference presentations are also published as 2-5 page transactions papers in Annual Transactions of the Nordic Rheology Society. Those registering for the NRC and having a rheology related presentation will be notified by the NRS Transactions editor after abstract acceptance.

The full manuscripts for both posters and oral presentations will be published in the 25th volume of the Annual Transactions of the Nordic Rheology Society. A print-ready manuscript should be prepared using the transaction template and submitted by April 30th.

Abstract templates are available electronically at www.npd2016.fi

RHEOLOGY COURSE

A rheology course is organized prior the formal opening of the conference on Monday 30th May morning. Professor Henning Winter will lecture about "Application of rheometry to various soft materials" and Professor Jan Vermant on "Advanced rheometric methods: from superposition to light scattering". Participation to the course is free for all interested conference delegates, but those interested are asked to indicate participation in the registration form.

ORGANIZERS

SPPY - The Society of Wood and Polymer Chemistry in Finland

Tekla Tammelin (VTT), Jukka Seppälä (Aalto), Heikki Tenhu (UH), Timo Repo (UH), Carl-Erik Wålen (Åbo Akademi), Eero Kontturi (Aalto), Vladimir Aseyev (UH) and Matti Elomaa (UH)

NRS - Nordic Rheology Society

Stefania Baldursdottir (UC), Johanna Aho (UC), Sami Hietala (UH), Mats Stading (Chalmers), Roland Kádár (Chalmers), Marcus Schmidt (Volvo), Peter Szabo (DTU), Catherine Nordgård (NTNU), Olli-Ville Laukkanen (Aalto)

ADDITIONAL INFORMATION AND REGISTRATION

Sami Hirvonen (secretary@npd2016.fi)

Registration form and a template for abstracts are available on-line.

www.npd2016.fi

The Society of Wood and Polymer Chemistry in Finland - SPPY

The Society of Wood and Polymer Chemistry in Finland has been founded 1958. Today, it has over 200 members around Finland.

The aim of the society is to promote education, research, and interdisciplinary activities as well as contacts between academia and industry. For this purpose, it arranges scientific seminars, visits to industrial and public research institutions and grant awards.