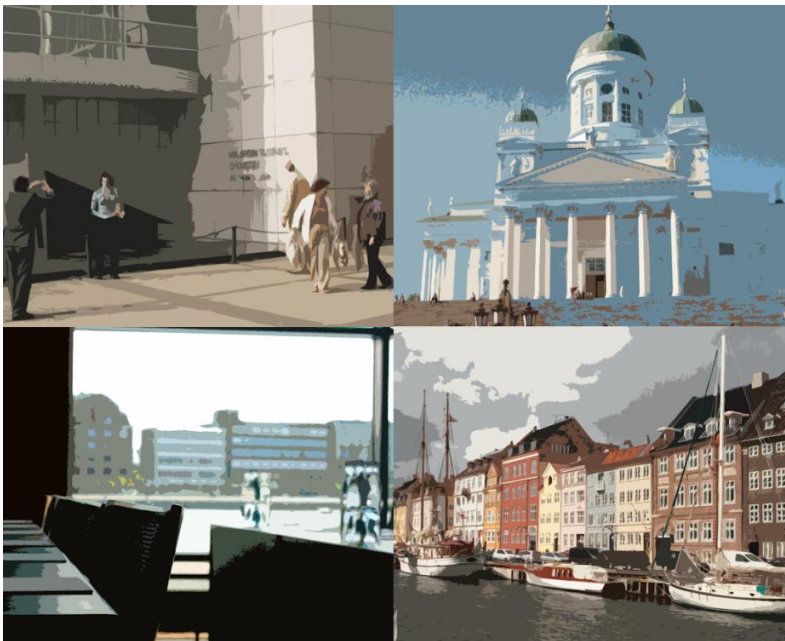




Suomen Puu- ja Polymeerikemian Yhdistys  
Finska Trä- och Polymerkemiska Föreningen  
Society for Wood and Polymer Chemistry in Finland



## 2<sup>nd</sup> Circular, NPD-NRC 2016 Helsinki, Finland, May 30 - June 1



Nordic Polymer Days

**NPD**

**2016**

**NRC**

Nordic Rheology Conference

In 2016 Nordic Polymer Days (NPD) and Nordic Rheology Conference (NRC) will be organized as a combined event at the University of Helsinki. Presentations in all areas of biomaterials, 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 will be organized for the 53<sup>rd</sup> time and NRC for the 25<sup>th</sup> 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 is for all those interested in biomaterials, polymer science or rheology. The meeting will be organized by the Society of Wood and Polymer Chemistry in Finland, the Nordic Rheology Society, Department of Chemistry, University of Helsinki, Åbo Akademi, VTT Technical Research Centre of Finland Ltd, Department of Forest Products Technology, 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**

| <b>Registration fees</b> | <b>Early bird until March 15<sup>th</sup></b> | <b>After March 15<sup>th</sup></b> |
|--------------------------|---|------------------------------------|
| 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 biomaterials, polymer science and rheology. We would also like to encourage PhD students to submit their contribution. 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 the 1<sup>st</sup> of April 2016.**

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

## ANNUAL TRANSACTIONS OF THE NORDIC RHEOLOGY SOCIETY

Nordic Rheology Conference presentations are also published as 2-5 page transactions papers in the 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 the abstract acceptance.

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

Abstract templates are available electronically at [www.npd2016.fi](http://www.npd2016.fi).

## RHEOLOGY COURSE

A rheology course is organized prior to the formal opening of the conference on Monday the 30<sup>th</sup> of May. Professor Henning Winter will give a lecture on "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.

## 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](http://www.cmu.edu/maty)



**H. 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](http://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.

## 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 Wílen (Åbo Akademi), Eero Kontturi (Aalto), Vladimir Aseyev (UH) and Matti Elomaa (UH)

### **NRS - The 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](http://www.npd2016.fi)

### **The Society of Wood and Polymer Chemistry in Finland - SPPY**

The Society of Wood and Polymer Chemistry in Finland was established in 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 grants awards.

<http://www.sppy.org/>

### **The Nordic Rheology Society**

The Nordic Rheology Society engages people interested in rheology in the Nordic countries. It aims to promote and propagate rheology at all levels by building a broad forum where academia and industry, in their applicational and theoretical guises can meet, share and discuss ideas to their mutual benefit.

<http://nordicrheologysociety.org/>