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## NRC2013 Copenhagen, Denmark



The 22nd Nordic Rheology Conference will be organized in



**Copenhagen, Denmark,  
June 12-14, 2013**



With the main theme of  
**Biorheology**  
and

**Rheology of Pharmaceuticals, Biopolymers and Foods**

We are looking forward to welcoming you in Copenhagen! Please keep updated on the practical information on the NRC2013 second call and [www.nordicrheologyociety.org](http://www.nordicrheologyociety.org)



Conference information updated constantly on  
[www.nordicrheologyociety.org](http://www.nordicrheologyociety.org)

## NRC2013 Invited speakers

### Ole Hassager

Ole Hassager is a rheologist and a Professor of Chemical Engineering at the Technical University of Denmark (DTU), who received the Weissenberg Award 2009 for his contributions to rheology. Ole Hassager is educated as a chemical engineer from the Technical University of Denmark. His career in rheology began during his PhD and post doctoral studies with Professor R.B. Bird at the University of Wisconsin-Madison, USA. The work on kinetic theory and constitutive modelling of viscoelastic liquids lead eventually to the well-regarded two-volume textbook "Dynamics of Polymeric Liquids" (1977, 2nd ed. 1987).

Later Hassager got engaged in numerical calculations for the flow of viscoelastic liquids. His early contributions to the developments in Lagrangian flow simulations have formed the basis for one of today's most successful methods for three dimensional free surface flow. Recently his focus has been on the filament stretching rheometer as a device that measures elongational properties in polymer melts at elevated temperatures. Such a unique instrument has been developed and built in Ole Hassager's laboratory. In addition to the prominent contributions described above, Ole Hassager has made solid contributions to several other areas within non-Newtonian fluid mechanics and transport processes. At NRC2013 the title of Ole's invited talk will be **"Extensional rheometry of polymer melts and solutions"**.



### Erik van der Linden



Erik van der Linden is professor of Physics and Physical Chemistry of Foods at Wageningen University since 1998. Before that he worked from 1990-1997 as a researcher for Unilever in The Netherlands and the USA, in liquid detergents and cosmetics, respectively. Previous to that he worked as a postdoc at Emory University, Atlanta, on high internal phase emulsions and foams. He holds a PhD in Physical Chemistry and a MSc in theoretical physics, Leiden University. His interest is in relating macroscopic properties with smaller scale properties. At NRC2013 he will give a talk with the title **"From molecule to fibrillar structures and rheology"**

## David Jones



David Jones gained a BSc (1st class honours) in Pharmacy (1985), a PhD in Pharmaceutics (1988) and, in 2006, a DSc., all from Queens University of Belfast. He registered with the Pharmaceutical Society of Northern Ireland in 1989. From 1989-1992 he was a lecturer in Pharmaceutics at the University of Otago and from 1992-1994 he held the position of Head of Formulations at Norbrook Industries Limited (NI). In 1994 he was appointed to a lectureship at the School of Pharmacy, QUB and was promoted to a Senior Lectureship in 1997. Since 1999 he holds a personal Chair (in Biomaterial Sciences) at the School of Pharmacy, Queens University of Belfast. His research concerns the characterisation, formulation and engineering of pharmaceutical materials/dosage forms and biomedical devices. He is the author of two textbooks, 6 patents and over 400 research papers/communications and has been awarded

the Lilly prize for pharmaceutical research and the British Pharmaceutical Conference Science Award. Professor Jones is both a Chartered Engineer and a Chartered Chemist and is a Fellow of the Institute of Materials, Minerals and Mining, a Fellow of the Royal Statistical Society, a Fellow of the Royal Society of Chemistry and Member of the Institute of Engineers in Ireland. He is the Editor of the Journal of Pharmacy and Pharmacology and holds the prestigious position of a Royal Society Industrial Fellow. As an invited speaker to NRC2013 Professor Jones will give a talk on **"Engineering the biomaterial performance through understanding and optimisation of viscoelastic properties**

## Carl R. Wassgren Jr.

Carl Wassgren is a Professor in the School of Mechanical Engineering and the Department of Industrial and Physical Pharmacy (by courtesy) at Purdue University. Prof. Wassgren's research has focused on developing models and experiments for predicting the dynamics of particulate systems. He has worked on a wide range of projects such as coating, blending, hopper flow, segregation, wet granulation, powder compaction, and attrition. He also teaches several powder-related courses at Purdue, including particulate systems and powder characterization. He has received a number of awards concerning his research and teaching activities. Prof. Wassgren also serves as Purdue's Education Director for the NSF Engineering Research Center (ERC) for Structured Organic Particulate Systems. At NRC2013 he will talk on **"Methods for describing and characterizing powder flow"**



## Calendar of events

See also "Upcoming events and news" on [www.nordicrheologysociety.org](http://www.nordicrheologysociety.org).

- 6-7 March 2013 **22. Conference "Rheology of Building Materials", Regensburg, Germany**  
M. Greim  
[greim@schleibinger.com](mailto:greim@schleibinger.com) - [www.schleibinger.com/cmsimple/en/](http://www.schleibinger.com/cmsimple/en/)
- 13-14 March 2013 **Basic Rheology Training Course, Turku, Finland**  
C. Larsen  
[clarsen@tainstruments.com](mailto:clarsen@tainstruments.com)
- 25-27 March 2013 **INNFM Conference 2013, Buckinghamshire, UK**  
K. Walters/ P. Townsend  
[p.townsend@swansea.ac.uk](mailto:p.townsend@swansea.ac.uk) - <http://www.innfm.org.uk/index.php/kavli-conference>
- 2-5 April 2013 **Annual European Rheology Conference (AERC2013), Leuven, Belgium**  
P. van Puyvelde  
[aerc2013@tue.nl](mailto:aerc2013@tue.nl) - [www.aerc2013.tue.nl](http://www.aerc2013.tue.nl)
- 22-24 April 2013 **Oleinitec 14th Nordic Rheology Course, Ystad, Sweden**  
M. Jegeborn  
[marlene.jegeborn@oleinitec.se](mailto:marlene.jegeborn@oleinitec.se)  
[www.oleinitec.se](http://www.oleinitec.se)
- 15-17 May 2013 **Rheology Technical Tour, Lund/ Stockholm, Sweden**  
C. Larsen  
[clarsen@tainstruments.com](mailto:clarsen@tainstruments.com)
- 21-23 May 2013 **Third International Symposium Frontiers in Polymer Science, Sitges, Spain**  
J.M. Kenny  
[customerservice-polymer13@elsevier.com](mailto:customerservice-polymer13@elsevier.com) - [www.frontiersinpolymercience.com](http://www.frontiersinpolymercience.com)
- 29-30 May 2013 **Anton Paar Rheology Seminar, Copenhagen, Denmark**  
T. Faurischou  
[info.dk@anton-paar.dk](mailto:info.dk@anton-paar.dk) - [www.anton-paar.dk](http://www.anton-paar.dk)
- 12-14 June 2013 **22nd Nordic Rheology Conference, Copenhagen, Denmark**  
S. Baldursdottir  
[nrc2013@nordicrheologysociety.org](mailto:nrc2013@nordicrheologysociety.org) - [www.nordicrheologysociety.org](http://www.nordicrheologysociety.org)
- 17-18 July 2013 **Fundamental and Applied Rheology, Nuremberg, Germany**  
N. Willenbacher  
[karolina.alibegovic@bam.de](mailto:karolina.alibegovic@bam.de) - [www.drg.bam.de](http://www.drg.bam.de)
- 21-26 July 2013 **7th International Discussion Meeting on Relaxations in Complex Systems (7th IDMRCS), Barcelona, Spain -**  
J. Tamarit  
[tamarit.7thidmracs@upc.edu](mailto:tamarit.7thidmracs@upc.edu) - <https://idmracs7.upc.edu>
- 30-31 July 2013 **Novel trends in rheology V, Zlín, Czech Republic**  
M. Zatloukal  
[mzatloukal@ft.utb.cz](mailto:mzatloukal@ft.utb.cz) - [noveltrends5.ft.utb.cz/](http://noveltrends5.ft.utb.cz/)

## The NRS Board

### President

**Stefanía Baldursdóttir**

Tel: +45 35 33 61 05

[president@nordicrheologysociety.org](mailto:president@nordicrheologysociety.org)

### Secretary

**Johanna Aho**

Tel +45 30 75 52 89

[secretary@nordicrheologysociety.org](mailto:secretary@nordicrheologysociety.org)

### Treasurer

**Mia Sjöqvist**

Tel: +46 31 322 3324

[treasurer@nordicrheologysociety.org](mailto:treasurer@nordicrheologysociety.org)

### ICR Representative

**Mats Stading**

Tel +46 10 516 6637

[mats.stading@sik.se](mailto:mats.stading@sik.se)

### Danish Representative

**Peter Szabo**

Tel +45 45 25 29 72

[ps@kt.dtu.dk](mailto:ps@kt.dtu.dk)

### Finnish Representative

**Sami Hietala**

Tel +358 919150333

[sami.hietala@helsinki.fi](mailto:sami.hietala@helsinki.fi)

### Icelandic Representative

**Jón Guðni Guðmundsson**

Tel: +354 522 9333

[jgg@nmi.is](mailto:jgg@nmi.is)

### Norwegian Representative

**Ingvild Haug**

Tel +47 99514608

[ijhaug@gmail.com](mailto:ijhaug@gmail.com)

### Swedish Representative

**Marcus Schmidt**

Tel +46 313253492

[mschmi55@volvocars.com](mailto:mschmi55@volvocars.com)