



**Minutes of the  
20<sup>th</sup> ESR Committee Meeting  
September 14, 2020 (14:00 - 16:00 CET, virtual)**

Representatives and presidents of National Societies  
Delegates of Individual Members  
Organizers of the AERC's and ICR  
ESR ExCom members  
Guests (from SoR, Norm Wagner, Mike Graham and Anne Grillet)

Before starting, Peter Fischer reminds who can vote: The representatives of the national societies and the delegates of the individual members.

**Topic 1. Chairman (Peter Fischer) and secretary (Anke Lindner & Mario Minale) for the meeting.** Approved.

**Topic 2. Approval of the minutes of the 19<sup>th</sup> ESR Committee Meeting.** Approved.

**Topic 3. Reports by President, Past President, Secretary, Members-at-Large**

***Exchange with SoR (Peter Fischer):***

There is regular exchange between SoR an ESR and the presidents attend meetings of the other society. The presentation of ESR business given at the SoR ExCom meeting in Raleigh (October 20, 2019) can be found in Appendix 1.

***Information from SoR (Anne Grillet, Vice President SoR):*** Usage of SoR Abstract submission and organizing tool (by Albert Co). For the SoR the conference organization is now done by ASP, including meeting registration and handling of payments. The conference organization tool is still the one from Albert, so a priori there is no problem for the ESR to still use this tool for the handling of abstracts and the planning of the meeting.

The SoR has decided not to hold Winter meetings anymore. Their

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statues require the Bingham medal, Metzner award and fellow nomination is to be given every year. This was planned only starting from the ICR in 2023 in Athens. Due to the sanitary situation SoR has decided to cancel the planned winter meeting in 2021. As a consequence, there will be an awards session at ICR of 1h30 for the Bingham, Metzner and publication awards and new announcement of the new fellows. One hour will be dedicated to the Bingham lecture, but the Metzner award lecture will be given at another moment, probably like a highlighted keynote.

For the ICR in Greece 2023 that will hopefully take place in person there will be an announcement at a banquet again.

A business meeting also needs to be held during every year, but this will be decoupled from the international meeting. In any case, this year the SoR business meeting will be held virtually.

### ***ESR tasks and Covid-19 response (Peter Fischer)***

ESR ExCom has held several meetings over the last months. Some of them linked to the Corona crisis and the organization of the upcoming meetings. Second, discussion and reviewing of by-laws (sub-committee by MM, AL, EvR, PF, Helen Wilson) was initiated and identified the following tasks:

- Review existing procedures
- Procedure for committee members stepping down during their turn
- Multiple nomination in ExCom, DIM, DNS
- Voting procedures
- Terms and duration of boards
- Annual Weissenberg award (except ICR years, but for ICRs in Europe)
- Change of charity registration

***Chair of the Weissenberg award committee (Dimitri Vlassopoulos):*** There is a working group on the Weissenberg award procedure. Currently nominators can be everybody, but the nominee can only be from Europe. The person that makes a nominating does not write a support letters for the nominee. A person is not supposed to write letters for more than two nominees. The ceremony includes the first plenary lecture for the Weissenberg awardee, and the award will be announced at the banquet (but without the roast ...). It would be good if the society would advertise the award better.

***Organizers of the NRS 2020 Avatar meeting (Mats Stading and Roland Kádár):*** Feedback from the online meeting of the Nordic Society of Rheology (avatar meeting). The in-person meeting was cancelled at rather short notice and was transformed into an online meeting. There were 62 attendees, and more countries were represented than usual (Iran, Russia, Egypt for example). A brief summary is given in Appendix 2.

### **Topic 4. Update on AERC 2021, AERC 2022, AERC 2024, and ICR 2023**

All meeting venues have been decided up to the ICR 2023 meeting. There were a lot of discussions and meetings between the ESR ExCom and the meeting organizers to address the Covid-19 situation and to reach the suggestion for the planning of the upcoming conferences: Virtual AERC 2021, AERC 2022 in Sevilla, and AERC 2024 in Leeds. The ICR 2023 in Athens remains unchanged. We vote on this suggestion, one vote No (Russia) all others are in favor. The suggestion is thus accepted. This also means the next AERC venue we need to look for is for 2025. A second ballot proposes that the Bingham medal, Metzner award and fellow nomination are also bestowed at ICR meetings in Europe. All in favor.

### **Topic 5. Weissenberg Award 2021**

The Weissenberg Award Committee is chaired by Dimitri Vlassopoulos (2015 - 2021), other members are Philippe Coussot (2017 – 2022) and Jan Vermant (2019 – 2024). The Weissenberg Award Committee will write down a short guide on the rules, so that the procedure (nominations/selection/ceremony) becomes clearer for the future. The 2021 nomination the following deadlines were announced:

Call for nominations: Autumn 2020

Deadline: January 10, 2021

### **Topic 6. Elections 2021**

***Election of ExCom board members, Representatives of the individual Members, Election committee.*** Brief reminders on who is elected:

- Election of ExCom Board members
- Election of Representative of the Individual Members (RIM)
- Election of the Election Committee

and how the current procedure is set up:

- Vice President, President, Past President: Serve for one term (vice president is elected, becomes president, and then past president)
- Treasurer: No limited number of terms
- Secretary: Serves for two terms
- Members at large: Elected for one term, possibility of re-election for second term
- RIM: Elected for one term, possibility of re-election for second term
- Election of the Election Committee: No rules so far

Until now the elections took place after the AERC meetings, however some of the rules are not perfectly clear. The following proposal to streamline the procedure is made:

- ExCom members:
  - 1) Call for Nominations
  - 2) Election by the ESR Committee
- RIM:
  - 1) Call for Nominations
  - 2) Election by all individual members of the ESR
- Election Committee: Procedure needs to be defined

Time line: Call for Nomination in late 2020

Election in March 2021

AERC 2021 starts with new officers

The ExCom meeting suggests working on this a bit longer (sub-committee by MM, AL, EvR, PF) with the election committee chaired by Helen Wilson. No one is opposed to this suggestion.

***Election of European editor of Rheologica Acta.*** There is also the election of the new editor of Rheologica Acta (to replace Jan Vermant) that needs to be organized. A committee will be formed to find the next European editor. Suggestions are welcome and should be send to Lynn Walker. Proposed procedure:

- Senior members of the RA Editorial Board pre-screen potential candidates
- RA Editorial Board proposes candidate
- ESR ExCom/ESR Committee reviews/acknowledges candidate

The timeline is not clear yet, but hopefully can be announced at AERC in 2021?

### **Topic 7. Account and budget (Bettina Wolf)**

Brief summary of the financial situation is given (see Appendix 3 and 4). The proposal to roll over of membership during the year where there is the ICR meeting is confirmed. All in

favor.

**Topic 8. Final report on AERC 2019 (Alexandra Aulova)**

There is a full report on the AERC meeting available on the ESR website. The conference had a special focus on societal values of rheology, for society and for every-day life. There were a large number of female session chairs and also young researchers. Overall, the conference was a success and has been enjoyed very much by all attendee. Details can be seen in the report (Appendix 5).

**Topic 9. Report of European Editor Rheologica Acta (Jan Vermant)**

Peter Fischer gives the report as Jan Vermant is excused. Highlights are the highest impact factor ever (2.604) has been reached. For details see Appendix 6. The search for the new editor is on its way as Jan's term of 10 years will come to an end soon. A note will be sent to the ESR community soon to solicitate applications and suggestions.

***Rheologica Acta publication award.*** The Rheological Acta publication award 2020 was given to Roger Tanner, Christopher Ness, Arif Mahmud, Shaocong Dai, Jiyoung Moon: A bootstrap mechanism for non-colloidal suspension viscosity, *Rheologica Acta* 57 (2018) 635-643. The information is placed on the ESR web-site

**Topic 10. Any other topic**

For the virtual AERC 2021 an organization committee, headed by Mats Stading and Roland Kádár was created and will start working soon. Updated information on AERC 2021 can be found on <https://rheology-esr.org/aerc-2021/welcome/>

Paris, Naples, Zurich, October 31, 2020



## European Society of Rheology

Topic 1: Society of national rheological societies and of individual membership

Topic 2: What changed: Vice President, 2 year term, Applied Rheology

Topic 3: AERC 2021, AERC 2022, ICR 2023

Topic 4: Issues

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### European Society of Rheology (ESR)

The European Society of Rheology is open for everyone interested in rheology in all countries of Europe. Rheology is defined as the science of the deformation and flow of matter which means that rheology in some form enters almost every study of material properties. The ESR involves rheologists engaged in both industrial and academic research and development and is therefore a common meeting ground for engineers, physicists, chemists and biologists with a common interest in rheology.

#### Soft matter interfaces: From biology to engineering applications

Ascona/Switzerland, November 5 - 10, 2017

Soft matter interfaces occur when surface-active species, such as surfactants, proteins, polymers or particles populate an interface and change its dynamics. Such complex interfaces occur in cells in biology, droplets in emulsions or bubbles in foams. The conference will try to identify the common issues in such high interface materials trying to embrace a range of applications from biology, over material sciences to novel engineering processes.

More information please find at <http://www.softmat.mat.ethz.ch>

#### 9th Conference of the Australian Society of Rheology and the Korean Society of Rheology

Sydney/Australia, November 29 - December 1, 2017

The ninth combined conference of the Australian Society of Rheology and the Korean Society of Rheology will be held at The University of Sydney. The event will provide an international forum to showcase rheological research in Australia, Korea and the broader Pacific region. All scientists and engineers interested in rheology are invited to participate in this conference.

Please refer to the conference website (<https://aerc2017.eventbrite.com.au>) for further information.

#### Weissenberg Award 2017

The 2017 Weissenberg Award recipient is Philippe Coussot from Université Paris-Est, Laboratoire Navier (Ecole des Ponts, INST'PAR, CNRS), France. Coussot has contributed to both fundamental and engineering aspects of rheology, in particular thixotropy and yielding of dense

#### Executive Board

The Executive Board (2017 - 2021) of the European Society of Rheology is:

- Peter Fischer (President)
- Mats Stading (Past President)
- Bettina Wolf (Treasurer)

#### Access to Rheologica Acta and Applied Rheology

Access to Rheologica Acta and Applied Rheology is free for all individual members of the ESR. Please access

## Applied Rheology

A COMPREHENSIVE JOURNAL FOR THE STUDY AND CHARACTERIZATION OF THE FLOW OF COMPLEX AND TECHNOLOGICALLY IMPORTANT MATERIALS

- ASSESSMENT OF PENETROMETRY TECHNIQUE FOR MEASURING THE YIELD STRESS OF MUDS AND GRANULAR PASTES
- THE RHEOLOGY OF NON-AQUEOUS SUSPENSIONS OF MODIFIED ECCAROND FINE (EBF) CLAY
- ONLINE PROCESS RHEOMETRY USING OSCILLATORY SQUEEZE FLOW
- COMPUTATIONAL FLUID DYNAMICS CALIBRATION OF TATTERSALL MK-II TYPE RHEOMETER FOR CONCRETE

Volume 23 • 2013

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## Rheologica Acta

Published as the Official Journal of the European Society of Rheology

- ASSESSMENT OF PENETROMETRY TECHNIQUE FOR MEASURING THE YIELD STRESS OF MUDS AND GRANULAR PASTES
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Volume 43 • 2013

H. H. G. Winter  
S. W. Lee



### A society of national rheological societies and individual members

- Delegates of the national rheological societies have voting rights
- Delegates representing individual members have voting right

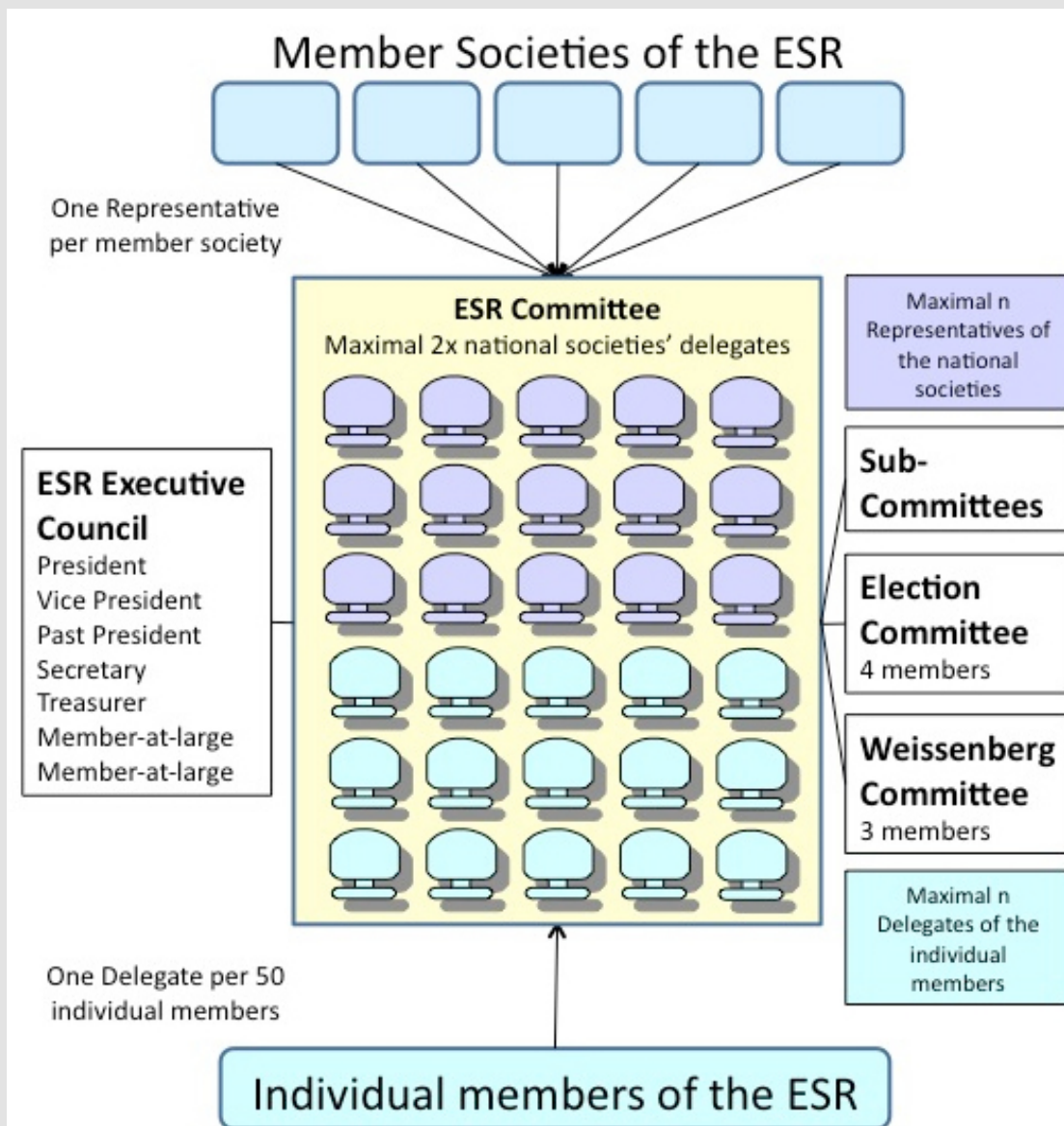
### New officers

- Vice President: Mario Minale
- Secretary: Anke Lindner

### 2-year term of office

### Applied Rheology

Not linked to ESR





**AERC 2018 (April) – 2022 & ICR 2023**

AERC 2018 – Sorreto (Italy)

AERC 2019 – Portoroz (Slovenia)

**AERC 2021 – Sevilla (Span, 7 -9 April)**

**AERC 2022 – Leeds (UK)**

**ICR 2023 – Athens (Greece)**



**Conference organization web-site**

Many thanks to Albert Co and SoR



### **European rheology conferences**

- National societies (Annual: NRS, DRG, GFR, BSR; non-regular most others)
- Special topic conferences (Novel trends in rheology (Czeck), Food (Swiss), ...)

### **Going East and South:**

- Polish Society of Engineering Rheology
- Turkey
- Iran
- Algeria
- Georgia

### **Legal status and account:**

- European charity versus British & Welsh charity
- Euro account (GBP)

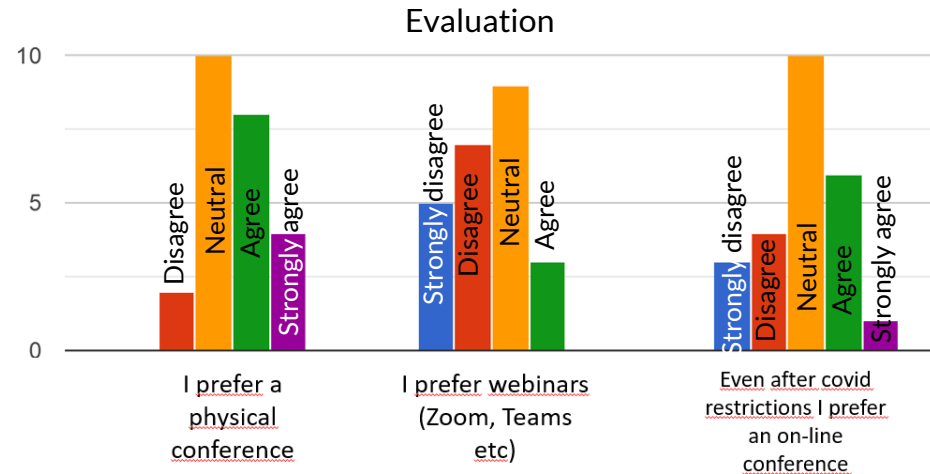


# Nordic Rheology Conference

- Avatars in virtual conference centre
- 62 participants (+35 on rheology course)
- From 14 countries, 65% academic
- 3 exhibitors, 2 sponsors
- 32 oral presentations in 2 sessions, 2 plenary talks, 8 posters

*'For some aspects (technical presentations) this seemed to work even better than a physical meeting. Networking is obviously difficult, but I was surprised how smooth the experience was regardless.'*

*'I really like the platform - especially the ability to wander around and interact "socially" with other avatar people. Some aspects of the presentation experience (both presenting and viewing) could be improved, but it works.'*





## Provisional Treasurer's Report

*01 April 2018 to 31 March 2019*

This financial report will be updated soon after 31 March 2019. This provisional report covers the 12 months period from 01 April 2018 to 23 March 2019. At the end of this (incomplete) financial year, the total funds of the Society stands at £ 30,509.05. Based on a sterling-euro transfer rate of 1.17 this equals € 35,607.94. The fund at the beginning of this financial year was £ 25,066.45 or € 28,826.42.

Member subscription of € 40 each was obtained from 26 members equating to € 1040. The by far largest income was from the AERC 2018 Sorrento: € 19,540 (£ 16,739.43 credited to the account. In terms of banking fees a total of £ 67 were paid (foreign currency transfers). Interest (gross) gained on the Business Instant Access account was £ 14.65. Charity Commission Annual return figures, for period 01 Jan - 31 Dec 2018, are income-receipts (£17,586.15), outgoings-payments (£10,633.54).

The Annual Bank Financial Statement and banking documents will have been viewed by an independent scrutineer and made available to ESR executive committee (Board of Trustees). All financial dealings throughout the year have been conducted by direct bank transfer. Four members of ESR Committee are current signatories to the Society cheque book.

Accordingly, the position of the Society is commended to you as buoyant, covering the financial and organizational procedures outlined above.

Prof Bettina Wolf, ESR Treasurer

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### ESR Financial statement 01 April 2018 – 23 March 2019

	account	TSB Club Charity and Trust	TSB Business Instant Access	Paypal		Total
society financial year	opening balance 1/04/18	£340.00	£24,039.11	£687.34		£25,066.45
	fees	-£67.00				
	interest		£14.75			
	incomings except interest)	£40,539.43	£4,200.00	£843.10		
	outgoings (except fee)	-£16,287.68	-£22,600.00	-£1,200.00		
	balance 23/03/19	£24,524.75	£5,653.86	£330.44		£30,509.05
calendar year	opening balance 01/01/18					
	fees					
	interest					
	incomings except interest)					
	outgoings (except fee)					
	closing balance 31/12/18					



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This financial report will be updated soon after 31 March 2020. This provisional report covers the 12 months period from 01 April 2019 to 11 March 2020. At the end of this (incomplete) financial year, the total funds of the Society stands at £ 40,819.81. Based on a sterling-euro transfer rate of 1.13 this equals € 46,022.29X. The fund at the beginning of this financial year was £ 30,509.05 or € 34,397.43.

Member subscription of € 40 each was obtained from 39 members equating to € 1,560. The by far largest income was from the AERC 2019 Portoroz: € 16,670 (£ 14,276.11 credited to the account. In terms of banking fees a total of £ 15 were paid (foreign currency transfers). Interest (gross) gained on the Business Instant Access account was £ 124.82. Charity Commission Annual return figures, for period 01 Jan - 31 Dec 2019, are income-receipts (£ 3,354.95), outgoings-payments (£ 15,339.12).

The Annual Bank Financial Statement and banking documents will have been viewed by an independent scrutineer and made available to ESR executive committee (Board of Trustees). All financial dealings throughout the year have been conducted by direct bank transfer. Four members of ESR Committee are current signatories to the Society cheque book.

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society financial year	opening balance 1/04/19	24524.75	£5,653.86	£330.44		£30,509.05
	fees	£15.00				
	interest		£167.60			
	incomings (except interest)	£1,507.84	£14,276.11	£1,248.54		
	outgoings (except fee)	£5,374.33		£1,500.00		
	balance 11/03/2020	£20,643.26	£20,097.57	£78.98		£40,819.81
calendar year	opening balance 01/01/19	£32,974.63	£1,446.94	£298.21		£34,719.78
	fees	£30.00				
	interest		£124.82			
	incomings (except interest)	£1,507.84	£18,476.11	£1,280.77		
	outgoings (except fee)	£13,809.21		£1,500.00		
	closing balance 31/12/19	£20,643.26	£20,047.87	£78.98		£40,770.11



THE EUROPEAN SOCIETY  
OF RHEOLOGY  
*Everything for the Rheologist*



# AERC 2019

*13<sup>th</sup> Annual European Rheology Conference*

Portorož, *Slovenia*

April 8-11, 2019

## REPORT



## SUMMARY

European Society of Rheology was founded in 1996 with 12 founding national member societies. In 1998 in Slovenian Portorož, the first European Rheology Conference was organized after the ESR was formally established in 1996 and after the 1st Committee Meeting of ESR took place in 1997.

With this conference we are returning to the place where the European Rheology conferences started 21 years ago, to Mediterranean coastal town of Portorož.

AERC 2019 welcomed 391 participants including 111 students from 37 different countries. 349 contributions were organized into 12 symposia. Invited talks included two plenary lectures of Professor Paula Moldenaers and Professor Peter Fisher, and the Weissenberg Awardee lecture of Professor Jan Vermant. Within symposia there are also 9 keynote lectures and, last but not least, a poster session. In comparison to the previous conferences, there were two new Symposia addressing solids, Mechanics of Time-Dependent Materials and Granular Materials & Highly filled systems.

In order to pay a special honor to Professor Mike Webster, who has unexpectedly passed away last year, a special memorial session has been organized and coordinated by his colleagues. It was opened by Timothy Philips and Russel Davies with the warm talk "Personal and scientific contributions of Mike Webster".

The Amherst rheology course "Synergy of Experiment with Theory in Rheology" coordinated by Henning Winter, Manfred H. Wagner and Ole Hassager pleasantly surprised organizers by large number of attendees.

Striving to emphasize societal value of rheology within the conferences the participants were invited to demonstrate the impact of their research not only on science but on well-being of humankind in general.

Rich social program provided friendly platform for networking and included welcome reception, well accepted Slovenian culinary evening with Slovenian wine and food tasting and Gala dinner with entertainment program.

European society of rheology as well as International Society of Rheology provided support for organization of event to Slovenia Society of Rheology and Slovenian Society for Experimental Mechanics. Journal of Non-Newtonian Fluid Dynamics, Soft Matter and Mechanics of Time-dependent Materials journal supported the event by advertising.

The conference was supported by eleven international and fifteen Slovenian sponsors. Young researcher prizes were sponsored by ThermoFischer Scientific and Soft Matter.

## OBJECTIVES

The AERC 2019 main focuses were:

- Providing forum for discussion of the latest research results and developments in various fields of rheology
- Establishment of the friendly environment for ideas exchange and discussion
- Synergy of the experimental and theoretical knowledge from academic and industrial sectors
- Highlighting the societal value of research in various fields of rheology

**The conference aimed to emphasize the societal value of rheology to show its importance for everyday life and industrial applications.**

## LOCATION AND VENUE

The AERC 2019 has been held at the Grand Hotel Bernardin & Congress Center Bernardin in Portorož, Slovenia. The venue provides the largest in Slovenia congress center that was capable of accommodation of required number of participants (735 rooms) as well as organization of 6 parallel sessions. Venue is well accessible from airports of Trieste, Venice and Ljubljana. The shuttle transfer service GoOpti has been offered for participant on the discounted price.

The hotel complex offers 3 hotels, all in walking distance from the venue: Grand Hotel Bernardin \*\*\*\*\* (the main conference venue), Hotel Histrion \*\*\*\* and Hotel Vile Park \*\*\* (ca 300 meters).

## COMMUNICATION

Main communication with future participants has been held via conference webpage, provided by European Society of Rheology (ESR) and supported by Adrian Kuehnis.

Abstract submission has been accomplished again with the support of ESR through the system of prof. Albert Co, who also assisted with the generation of Book of abstracts and management of online application during the event itself.

The information about the conference has been well advertised by utilization of various channels:

- Flyers were distributed digitally through the mailing list provided by ESR as well as physically at AERC2018 in Sorrento, Italy



- The promotional article has been published in Applied Rheology
- Regular updates were made to the conference webpage
- Changes and updates were also distributed via mailing
- Banners of the conference were posted by Journal of Non-Newtonian Fluids and Soft Matter
- Journal of Non-Newtonian Fluids and Mechanics of Time-Dependent materials supported the conference with the option of special issues. Unfortunately, supported by symposia organizers, this initiative did not find interest of participants and was not realized.
- Book of abstracts was provided in electronic form and in printed form only by preliminary request. Conference organizers believe that this is the first step to reduce the usage of paper data carriers in large scales
- Conference program was available online and in printed form in every conference bag
- Online web application (Albert Co) provided the position of the talk of interest and allowed participant to form their own program of event attendance

## CONFERENCE FEES

Conference fee included: attendance at all sessions, lunches, coffee, welcome reception and Gala dinner. Accompanying person fee included: welcome reception, three lunches and Gala dinner. Payment were accepted via bank transfers and online payment system.

	Early bird before 28.2.2019	Full registration after 28.2.2019
<b>Regular</b>	530 €	600 €
<b>Student (Student ID required)</b>	300 €	400 €
<b>Accompanying person</b>	120 €	180 €
<b>Rheology course</b>	180 €	220 €

## ORGANIZATION

### MEMBERS OF THE HONORARY SCIENTIFIC COMMITTEE:

- Crispullo Gallegos
- Rene Gaudu
- Han Meijer
- Giuseppe Marrucci
- Evan Mitsoulis
- Paula Moldenaers
- Jean Michel Piau
- Ivanov Yatchko
- Manfred Wagner
- Ken Walters

### CHAIR COMMITTEE

- Igor Emri
- Alexandra Aulova
- Slobodan Žumer
- Manica Ulcnik Krump
- Edvard Govekar

### ORGANIZING COMMITTEE

- Igor Emri - Chair
- Alexandra Aulova - Principal organizer
- Peter Emri - Social program, supplies and sponsors
- Tjaša Möderndorfer - Social program
- Jure Jakoš - Technical support
- Matej Jagodič - Technical support
- Adrian Kuehnis (ESR) - Website support, online payment system
- Albert Co (ISR, ESR) - Abstract submission, support with book of abstracts and webapp
- Student group - On-site communication and registration

## TECHNICAL PROGRAM

### SCHEDULE

Throughout three days of conference 12 symposia held oral presentations in 6 parallel sessions, 3 plenary lectures were presented in the beginning of every day and social events were planned every evening with exception of the last day.

	7.04 DAY -2	8.04. DAY -1	9.04 DAY 1	10.04 DAY 2	11.04 DAY 3		
M O R N I N G	Rheology Course	Rheology Course	Opening	Plenary	Plenary		
			Plenary	Sessions	Sessions		
			Coffee Break			Coffee Break	Coffee Break
			Sessions			Sessions	Sessions
			Lunch	Lunch	Lunch	Lunch	Lunch
A F T E R N O O N	Rheology Course	Rheology Course	Sessions	Sessions	Sessions		
			Coffee Break	Coffee Break	Coffee Break		
			Sessions	Sessions	Sessions		
			Poster Session Culinary Evening		Closing Ceremony		
				Gala Dinner with Entertainment Program			
E V E N I N G		WELCOME RECEPTION	REGISTRATION				

### PLENARY

**Paula Moldenaers**, KU Leuven (Belgium) - "Towards miniaturization: how does confinement affect the break-up and coalescence of droplets in shear flow"

**Peter Fischer**, ETH Zurich (Switzerland) - "Digested? - The design and in-vivo validation of satiety controlling food"

**Jan Vermant**, ETH Zurich (Switzerland), *Weissenberg Award winner* - "Can (interfacial) rheology save the world?"

### SYMPOSIA

The symposia of AERC2019 included traditional titles as well 2 new symposia: Granular materials, highly filled systems and Mechanics of Time-Dependent materials. Colleagues of prof. Mike Webster supported organization of Non Newtonian Fluid Mechanics & Flow Instabilities Symposium in his honour. The list of Chairmen/Symposia organizers includes multiple female and young scientists as well as well-known names. Organizers

paid attention as to the regional distribution of the symposia organizers in order to cover as many European countries as possible.

<b>Symposia</b>	<b>Chairmen</b>
<b>Blends, Emulsions, Foams &amp; Interfacial Rheology</b>	Anniina Salonen (France) Jan Vermant (Switzerland) Jose Munoz (Spain)
<b>Colloids &amp; Suspensions</b>	Michel Cloitre (France) Guillaume Ovarlez (France) Norbert Willenbacher (Germany)
<b>Experimental Methods &amp; Progress in Rheometry</b>	Dimitris Vlassopoulos (Greece) Roland Kádár (Sweden) Christian Clasen (Belgium)
<b>Food, Pharmaceutics &amp; Cosmetic</b>	Patricia López Sánchez (Sweden) Antonio Guerrero (Spain) Mihaela Turcanu (Germany)
<b><i>Granular materials, highly filled systems</i></b>	Joamin Gonzalez-Gutierrez (Austria) Berenika Hausnerova (Czech Republic) Tamás Börzsönyi (Hungary)
<b>Industrial Rheology &amp; Processing</b>	Ulrich Handge (Germany) Clemens Holzer (Austria) Lazslo Gomze (Hungary)
<b>Living &amp; Active Matter</b>	Nadia Antonova (Bulgaria) Anke Lindner (France) Salima Rafai (France)
<b><i>Mechanics of time-dependent materials</i></b>	Alberto D'Amore (Italy) Hongbin Lu (USA) Mehrddad Negahban (USA)
<b>Micro, Nano Fluidics &amp; Microrheology</b>	Pouyan Boukany (Netherlands) Manlio Tassieri (UK) Francisco J. Galindo-Rosales (Portugal)
<b>Non Newtonian Fluid Mechanics &amp; Flow Instabilities (includes session in honour of prof. Mike Webster)</b>	Tim Phillips (UK) Russel Davies (UK) Natalie Germann (Germany) Corneliu Balan (Romania)
<b>Polyelectrolytes, Self Assembling Fluids &amp; Gels</b>	Olga Philipova (Russia) Alexander Malkin (Russia) Christophe Chassenieux (France)
<b>Polymer Solutions, Melts &amp; Composites</b>	Giovanni Ianniruberto (Italy) Evelyne van Ruymbeke (Belgium)

## POSTER SESSION

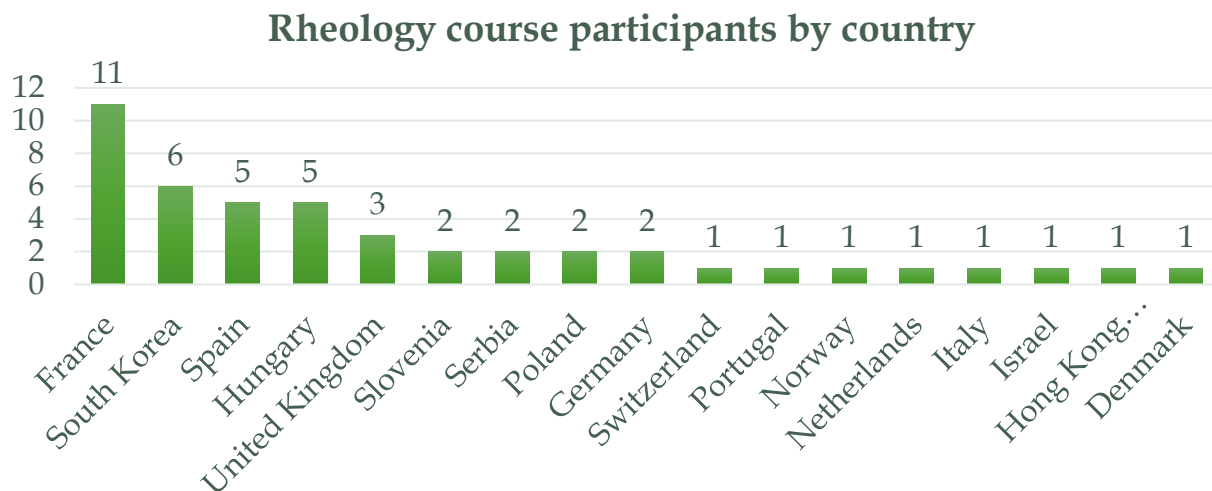
Poster session has been coordinated by Alexandra Aulova and accepted 92 posters. Due to limited number of oral presentations some of contributions were moved to poster session.

## RHEOLOGY COURSE

The Amherst Rheology Course "Synergy of Experiment with Theory in Rheology" has been held on the 7th and 8th of April (Sunday and Monday) prior to the AERC 2019 at the conference venue Grand Hotel Bernardin, Portorož, Slovenia. Lectures performed by professors H. Henning Winter (University of Massachusetts, Amherst, MA/USA), Manfred H. Wagner (Technical University Berlin, Berlin / Germany) and Ole Hassager (Technical University of Denmark, Kongens Lyngby).

Combining theoretical background and possibilities of IRIS software platform allows exploration of the newest developments in rheology. The course covers handling of data from rheological experiments, plotting, overlay, extraction of material parameters, modelling with theory, data storage and retrieval and more. Participant have possibility to learn about rheology basic and linear viscoelasticity as well as to investigate non-linear domain.

From 49 registered participants, 47 were present at the Rheology course. Interest was extremely high and since the course could not accommodate more than 50 people, some requests were denied. Limitation has been related to available hardware required for the course and not other capacities. Participants from 17 countries were present at the Rheology course.



## AWARDS

During the conference the ceremony of Weissenberg Award presentation has been held. Young research awards were delivered to the winners of best oral and poster presentations in different categories.

### WEISSENBERG AWARD

The Weissenberg award presentation has been coordinated by prof. Manfred Wagner. After laudation by prof. Gerry Fuller president of ESR, prof. Peter Fischer has handed the award to the 2019 year winner prof. Jan Vermant (see photo).



### YOUNG RESEARCHER AWARDS

In 2019 the awards were spread among 95 scientists who are younger than 35 years only (they applied for competition). Every contribution, poster or oral talk has been evaluated by 3 members of jury consisting of ESR representatives and presidents of National societies as well as Individual members (all together 21 members). Evaluation has been done based on the abstract and poster or oral presentation and according to three criteria ranked from 1 to 10: Scientific Soundness, Presentation quality/design of poster, Social impact.

Based on the analysis the following awards winners were chosen:

- Best oral presentation (sponsored by ThermoFischer Scientific, 200 eur)
  - Lift of viscoplastic fluids - **Maziyar Jalaal** (Applied Mathematics and Theoretical Physics, University of Cambridge, Cambridge, United Kingdom)
- Best oral presentation with the scientific impact (sponsored by ThermoFischer Scientific, 200 eur)
  - Liquid migration in shear thickening suspensions flowing through constrictions - **Rory E. O'Neill** (School of Physics and Astronomy, University of Edinburgh, Edinburgh, United Kingdom)
- Best poster presentation (sponsored by ThermoFischer Scientific, 200 eur)

- Comparing recycled and virgin poly (ethylene terephthalate) melt-spun fibers - **Yijing Qin** (Institute of Polymer Materials, Friedrich-Alexander University Erlangen-Nuremberg, Erlangen, Germany)
- Best poster with the scientific impact (sponsored by ThermoFischer Scientific, 200 eur)
  - Structural, micro- and macrorheological properties of alginate solutions as bioink for 3D bioprinting - **Bruna R. Maciel** (Institute for Mechanical Process Engineering and Mechanics, Karlsruhe Institute of Technology, Karlsruhe, Germany)
- Best poster (sponsored by Soft Matter, 50 eur each)
  - Agarose/k-carrageenan-based hydrogel films enriched with natural extracts for wound healing applications - **Lorena Anna Ditta** (Istituto di BioFisica, Consiglio Nazionale delle Ricerche, Palermo, Italy)
  - Reducing viscosity of heavy oil by surfactants and polymer additives - **Kirill Zuev** (Laboratory of Polymer Rheology, A.V.Topchiev Institute of Petrochemical Synthesis, TIPS RAS, Moscow, Russia)
  - Functional hydrogels of a flexible hydrophilic polymer mixed with wormlike surfactant micelles - **Andrey Shibaev** (Physics Department, Moscow State University, Moscow, Russia)

## SOCIAL PROGRAM

Social program of AERC 2019 has been strongly linked to the Slovenian coast and traditions.

- We have opened the event with the **Welcome reception** at the terrace of Grand Hotel Bernardin on Monday, the 8th of April. It included drinks and cold and warm buffet and allowed participants to say hello.
- **Slovenian Culinary Evening** on Tuesday, 9th of April has been organized in parallel with the Poster session in the same space. During the poster session participants were able to taste some Slovenian food, oils, and wines. More than 20 different special wines from the Slovenian coast region were available for tasting and purchase.
- **Gala dinner** sponsored by TA instruments started with the aperitifs and slowly moved to the Emerald ballroom of Grand Hotel Bernardin. Live music and dance performance from young Slovenian artists accompanied the meal. The presentation of the International Congress of Rheology 2020 in Brazil has been held at Gala dinner as well.

## ACCOMPANYING PERSONS PROGRAM

With the support of the local touristic agency Go Portorož we have formed the attractive list of daily excursions starting from the Monday, 8<sup>th</sup> of April till Saturday 13<sup>th</sup>. The offer included trips to Piran, Izola, Ljubljana, lake Bled, Postojna cave and others. **16 accompanying persons** enjoyed the stay in Slovenia.

## PARTICIPATION

AERC 2019 welcomed **391 participants** including **111 students** from **37 different countries**. In total **349 contributions** were received.

## ABSTRACT SUBMISSION AND SELECTION

The final deadline for abstract submission has been move to the 1.1.2019 (from original 14.11.2018), which have caused certain logistical problems: i) the acceptance date of 2.2.2019 was too close to the event data for arrangement of travelling from some distant countries (USA for example) and therefore some abstracts have been withdrawn and ii) one month for the coordination and abstract evaluation was not enough and symposia organizers were struggling with properly distribution contributions.

As a result of hard and devoted work of symposia organizers, **28** abstracts submitted for oral communications had to be moved to posters (some were lately withdrawn) due to lack of free program slots for every symposium. In order to accept as many oral presentations as possible organizers of two symposia dismissed keynote lecture in a favor of two ordinary talks.

## STATISTICS PER SYMPOSIUM

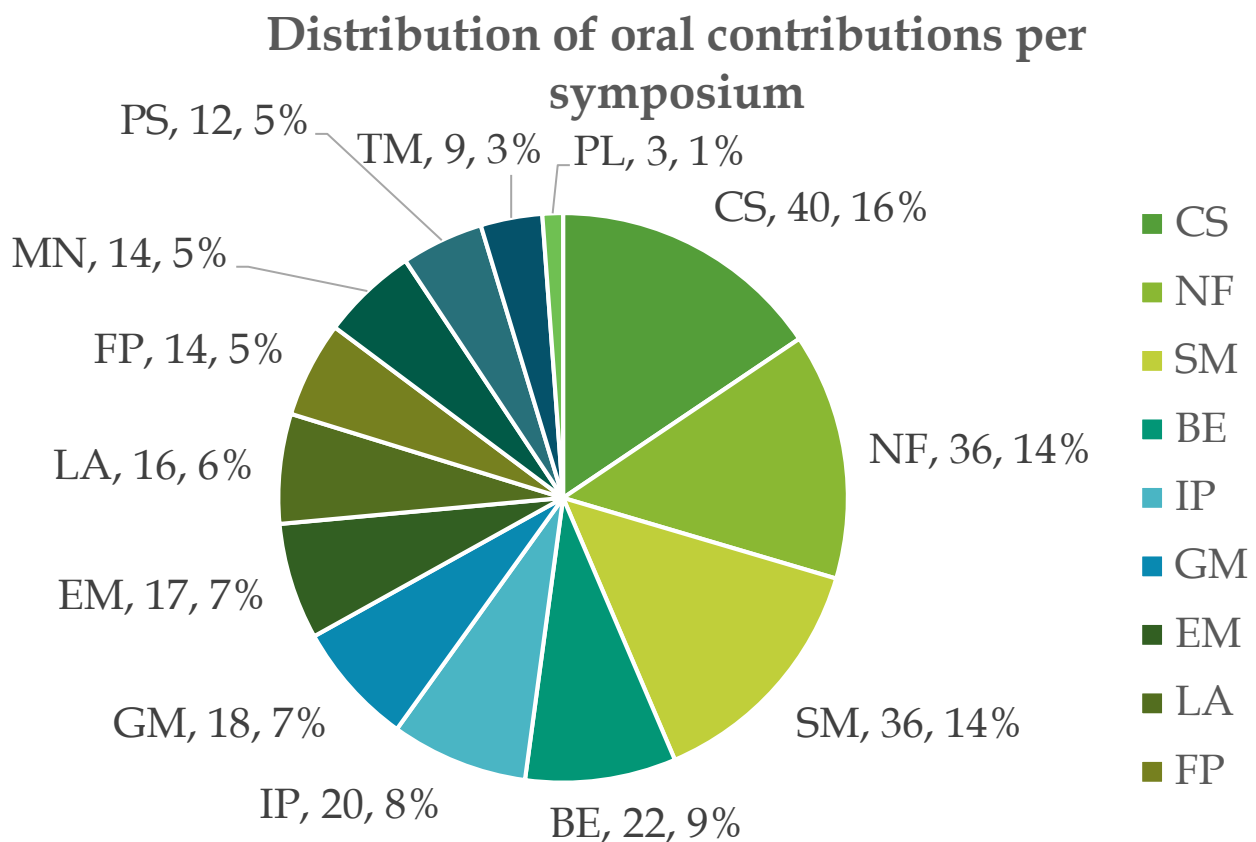
Below you can see in table and graphical form the distribution of oral presentations per symposia.

Three biggest symposia (Non Newtonian Fluid Mechanics & Flow Instabilities, Polymer Solutions, Melts & Composites and Colloids & Suspensions) ran throughout the whole conference, while the smaller ones were fitted in the schedule and sometimes split in two parts if necessary.

Each small section of 3-5 oral communications had a coordinator, which was invited especially for every particular section.



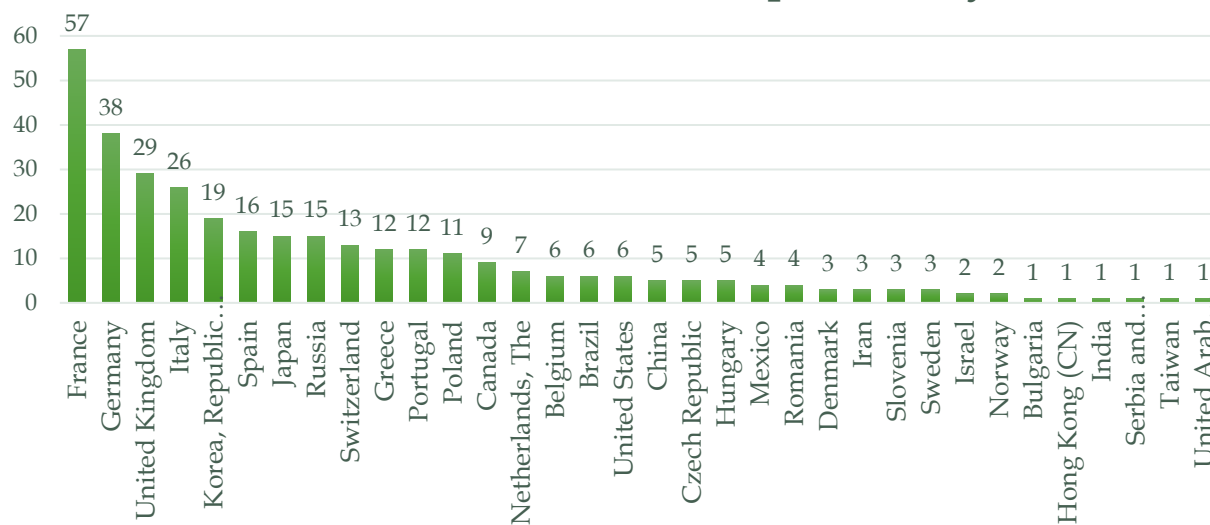
Plenary Lectures	<b>PL</b>	3
Mechanics of Time-Dependent Materials	<b>TM</b>	9
Polyelectrolytes, Self-Assembling Fluids & Gels	<b>PS</b>	12
Food, Pharmaceuticals & Cosmetics	<b>FP</b>	14
Micro, Nano Fluidics & Microrheology	<b>MN</b>	14
Living & Active Matter	<b>LA</b>	16
Experimental Methods & Progress in Rheometry	<b>EM</b>	17
Granular Materials & Highly Filled Systems	<b>GM</b>	18
Industrial Rheology & Processing	<b>IP</b>	20
Blends, Emulsions, Foams & Interfacial Rheology	<b>BE</b>	22
Non Newtonian Fluid Mechanics & Flow Instabilities (in honour of Prof. Mike Webster)	<b>NF</b>	36
Polymer Solutions, Melts & Composites	<b>SM</b>	36
Colloids & Suspensions	<b>CS</b>	40
Poster Session	<b>PO</b>	92
<b>TOTAL</b>	<b>All</b>	<b>349</b>



## STATISTICS PER COUNTRY

We have received contributions from 37 different countries. Below you can see the distribution of contribution number per country.

### Contribution distribution per country



## SPONSORS

The conference was supported by eleven international and fifteen Slovenian sponsors.

Below the main sponsors and Exhibitors are presented.

### PLATINUM (GALA DINNER)



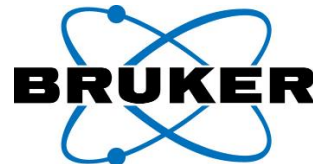
### GOLDEN



SILVER



EXHIBITORS AND SPONSORS



Malvern representatives

PRIZES



SUPPORT



PARTNERS



Touristic agency



## FINANCIAL STATEMENT

Expenses	€	Income	€
Conference Center	35'750	Conference fees*	178'900
Administration and secretariat During the year	15'350	Short courses	3'250
Hired personal during conference / Students	6'513	Exhibitors/Sponsors	26'350
Rooms invited speakers (with rheology course)	7'191		
Conference dinner	21'800		
Welcome reception	8'800		
Dinner wine and drinks	6000		
Band-live music	2'000		
Dancers/Show	2'244		
Catering (lunches, coffee breaks)	43'200		
Poster Session / Wine tasting	6'270		
Poster billboards-rent	3'122		
Google domain for email	144		
Flyers	835		
Book of abstracts	15'412		
Book for rheology course	3'165		

<b>Final program</b>	<b>600</b>		
<b>ESR fees</b>	<b>13'180</b>		
<b>Banking costs</b>	<b>6'720</b>		
<b>Prizes</b>	<b>950</b>		
<b>Accounting</b>	<b>2'250</b>		
<b>Van Rent + Gas</b>	<b>1'600</b>		
<b>SSEM fee</b>	<b>5'404</b>		
<b><u>TOTAL</u></b>	<b>208'500</b>	<b><u>TOTAL</u></b>	<b>208'500</b>

\*note that conference fees include early bird and late payments from students and regular participants as well as accompanying persons

The following things were covered rom the AERC2019 budget:

- Albert Co - travel expenses, accommodations, conference fee
- Rheology course speakers - accommodation and conference fee
- Plenary speakers - accommodation and conference fee



**SPRINGER NATURE**

# European Editor Report To the European Society of Rheology

19-03-2019 until 19-03-2020

Jan Vermant



# Statistics-I

- Manuscripts received (last 12 Months, European editor only)  
83 (84) new submissions
- Decision ratio

Accept	25%
Major Revision	20%
Minor Revision	13%
Rejection rate (c)	54%
Desk reject	(33%)

Rejection rates (DV) : for 2010 43%, for 2009: 32%; for 2008: 29 % ; for 2007: 31%  
Rejection rates (JV) : for 2011 - 36%, 2012 -31% , 2013 - 32% , 2014 - 43%,  
2015-41%, 2016 - 43%, 2017 - 49%, 2018- 45% - 2019 - 41% - 2020 54



# Statistics - 2

- Manuscripts published - 82
- EE Avg. days from submission to first decision 50.1 (45)
- EE Avg. days from submission to final decision 67 (54)
- EE Total Pending Manuscripts : 20
- EE Oldest manuscript without a final decision 83 (95) days
- EE Acceptance ratio 0.46 (0.39)

All papers undergo screening by editor or editorial board member

e.g. mere data reports do not get sent out for review

# Statistics-3

- **Impact Factor (2018) : 2.53 (1.8)** 2.7 (extr)  
(5y avg) : 2.4 (2.0)

- Other Journals (2017)

Journal	IF (2017)	IF (5y AVG)
JOR	3.46	3.7
JNNFM	2.27	2.4
<u>Rheol Acta</u>	<b>2.53</b>	<b>2.4</b>
Biorheology	0.96	1.0
Appl Rheol.	0.9	1.0
Kor-Aus JOR	1.0	0.9

Soft matter 3.4, POF 2.6, PRF 2.44, JFM 3.1

# Statistics-4

- **Impact Factor (2019) : 2.6 (2,5)**

- **Other Journals (2019)**

Journal	IF (2019)	IF (5y AVG)
JOR	3.7	3.7
JNNFM	2.5	2.4
<u>Rheol Acta</u>	<b>2.6</b>	<b>2.4</b>
Biorheology	0.96	1.0
Appl Rheol.	0.9	1.0
Kor-Aus JOR	1.4	0.9

Soft matter 3.1, POF 3.5 , PRF 2.3, JFM 3.4

# Announcements

- Free access for ESR members - continues and should be ok.
- Weissenberg award lecture paper
- Early career issue and special issue on design
- Gold open access possible
- SharedIt

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SharedIt

Springer Nature's commitment to content sharing

Springer Nature wants researchers to share content easily and legally. Our Springer Nature SharedIt content-sharing initiative means that links to view-only, full-text subscription research articles can be posted anywhere - including on social media platforms, author websites and in institutional repositories - so researchers can share research with colleagues and general audiences.



# Announcements

- Managing editor : goodbye Dr. Ho Ying Fan (NY) and welcome to PATRICK KEEFE (NY)
- Paper count not very high (JOR/RA)
- Graphical abstracts
- possible move to editorial manager



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Questions?

