

# INTERNATIONAL SOCIETY FOR POROUS MEDIA

"SIMILAR SOLUTIONS FOR DIVERSE APPLICATIONS"

InterPore International Society for Porous Media Groenekanseweg 128 3731 AK de Bilt, The Netherlands info@interpore.org

WWW.INTERPORE.ORG

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## **ABOUT INTERPORE**

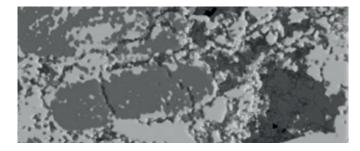
Founded in 2008 as a non-profit independent scientific organization, the International Society for Porous Media (InterPore), aims to advance and disseminate knowledge for understanding, describing, and modelling natural and industrial porous media systems.

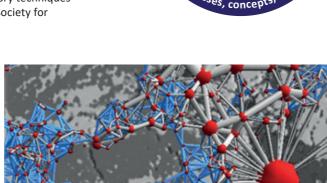
#### **OUR MISSION**

Our mission is to act as an international platform for researchers who are actively involved in studying, developing and/or manufacturing complex porous media.

This may include, but is not limited to, experimentation in the field, lab, or simulation, and research in the theory, and computational algorithm development, property optimization and uncertainty quantification.

Porous media are ubiquitous throughout nature and is of relevance in technology development and industry. Investigators from many fields of science and technology are involved with the study and use of porous media. A venue and a forum where investigators and technicians from disparate fields, working with porous media, can come together and display their commonality of problems, investigatory techniques and solution strategies is beneficial to all involved. The International Society for Porous Media was formed to address this need.





oGRess/UGCT, Ghent University, Belgiu

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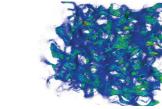
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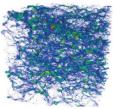
GEO LOGICAI

#### **KEY AIMS OF THE SOCIETY**

- To facilitate exchange and collaboration among industry and academic researchers
- To bring theoreticians, modellers and experimentalists in the field of porous media together in order to provide a forum for exchanging ideas and expertise for the improvement of porous media models
- To identify and address research questions that will lead to major improvements to the theories and models of complex porous media
- To assist in establishing strategic research priorities of major funding agencies on national and international levels
- To promote collaborative research among partners and to facilitate the establishment of joint research projects
- To facilitate training and education



© Pore-scale Modeling Consortium, Imperial College London



## WHY BECOME A MEMBER?

InterPore is a unique platform that connects researchers, educators and practitioners from diverse porous media fields. Members exchange scientific knowledge and engineering expertise between academia and industry, enabling the development of collaborations, accelerating learning and facilitating innovation.

#### MEMBERSHIP BENEFITS

SAVE MONEY WITH DISCOUNTED RATES EXCLUSIVELY FOR INTERPORE MEMBERS:

- Reduced registration fee (up to 20%) for InterPore conferences, workshops, and short courses
- Significant reduction on the exhibition fee during the InterPore Annual Meeting
- 15-25% reduction on the fee for sponsoring InterPore Conferences
- 20% discount on the list price of all books published by Springer and by Begell House Inc. 20% discount on the individual subscription price of Transport in Porous Media (Springer)
- 75% discount on the individual online subscription price of Special Topics and Review in
- Porous Media and Journal of Porous Media (Begell House Inc.)
- 10% discount on article processing charges to all InterPore members to publish in MDPI **Energies and Batteries**

#### FOR MEMBERS ONLY:

- Recognition of top scientists and students through prestigious awards and prizes
- Participation in InterPore elections (for president-elect and council members)
- Access to online courses and video recordings from short courses
- A forum for posing technical or scientific questions to other members
- Job announcements and recruiting opportunities
- · Conference grants for scientists from economically-disadvantaged countries and students

#### INTERPORE ALLIANCE WITH INTERNATIONAL CONFERENCES:

· Allows members to pay significantly lower fees

#### EXPAND YOUR PERSONAL NETWORK:

· Attend InterPore conferences and events to meet other researchers and exchange ideas with international leaders in porous media science

#### STAY UP TO DATE WITH THE BIWEEKLY INTERPORE NEWSLETTER:

- Updates about new developments, meetings, community news, short courses, job opportunities, etc.
- Use the InterPore Newsletter to disseminate your work in research spotlights, publish your job announcements or advertise your workshops.

#### **PUBLICITY SERVICES EXCLUSIVE TO INSTITUTIONAL MEMBERS:**

- Publication of a self-introduction text in the InterPore NewsLetter
- Publication of a Research Spotlight in the InterPore NewsLetter and on the website
- Improved exposure to the public on our website...

#### MEMBERSHIP FEES

The membership of the society consists of individuals and/or legal entities interested in the objectives of the organization, from any country or profession. Upon filling in the application form and becoming a member, one implicitly agrees to accept the bylaws of the society (www.interpore.org/about-interpore/bylaws). Current classes of membership and the corresponding annual membership fees are as follows:

INDIVIDUAL MEMBERSHIP	LIFETIME MEMBERSHIP	INS
• Academic 1 year 60 €	• < 40 years 840 €	• /
• Academic 2 years 100 €	<ul> <li>40 to 45 years 720 €</li> </ul>	• /
• Academic 3 years 145 €	<ul> <li>46 to 50 years 600 €</li> </ul>	• /
• Student 30€	<ul> <li>51 to 55 years 480 €</li> </ul>	• /
• Retired	<ul> <li>56 to 60 years 360 €</li> </ul>	•
• Industry (not SME*) 200 €	<ul> <li>&gt; 61 years 240 €</li> </ul>	•
• Industry (SME*) 80 €		•
		•

\* SME- small and medium enterprises

\*2 Please note this category is only available to a group of researchers from a national chapter of a LMI country. They must be from academia or research institutes, and not affiliated with an industry Contrary to regular institutional membership, they do not have to be from the same institution to qualify for this group membership.

#### **REGISTER ONLINE @ www.interpore.org/account/** (create your account, then select your membership plan) OR SIMPLY CONTACT US at support@interpore.org

ISTITUTIONAL MEMBERSHIP Industry (not SME\*) ... 2000 € Industry (SME\*) ..... 840 € Industry (SME\*) 2 years 1500 € Industry (SME\*) 3 years 2100 € • Industry (SME\*) 5 years 3400 €

LMIC NATIONAL CHAPTERS \*2 Academic...... 600 € • Small group 1 year .... 300 € Academic 2 years....1100 € • Small group 2 years ...500 € Academic 3 years.... 1500 € • Small group 3 years ... 690 € Academic 5 years.... 2400 € • Large group 1 year .... 600 € Small group formed by

15 researchers Large group formed by 35 researchers







## **INTERPORE CONFERENCES**

Every year, InterPore organizes the International Conference on Porous Media and the Annual Meeting of InterPore. The first conference was held in 2009 in Kaiserslautern, Germany, with around 80 participants. The conference has now grown to a major event with more than 700 participants.

The main goal of the conference is to bring together researchers from all areas of porous media science and technology development, particularly people who do not have the opportunity to meet in other single discipline-oriented conferences.





InterPore thus offers a platform for people from diverse disciplines who study and work with porous media, so that they can exchange ideas and become aware of one another's interests and research activities.

General themes are: fundamentals of porous media; computational challenges in porous media simulation; experimental studies, and applications involving porous media.

#### CORE ELEMENTS OF THE INTERPORE CONFERENCE ARE:



#### **INTERPORE SCIENTIFIC PROGRAM**

The scientific program will cover most porous media subjects, including:

- Imaging, modelling and simulation
- Monitoring & characterization methods
- Experimental & simulation methods
- Uncertainty quantification & risk analyses
- Forward & inverse modelling for pore-scale, lab-scale and field-scale academic, environmental and industrial problems.

Presentations will be given on a wide variety of porous media processes in very diverse applications, such as: Geological reservoirs, Soil, Food, Wood, Biological tissues, Filters, Membranes, Paper and textiles High-quality and lively Poster Presentation Sessions and Exhibitions.

#### **INTERPORE ANNUAL MEETING**

A major event of the conference, where the status of the Society and major developments and plans are presented to the members.

#### **INTERPORE AWARDS**

With the support of InterPore Foundation, the following awards are presented during the conference:

- Time Capsule
- Honorary Lifetime Membership Award
- Kimberly-Clark Distinguished Lectureship Award
- InterPore Medal for Porous Media Research
- InterPore Award for Porous Media Research
- InterPore PoreLab Award for Young Researchers
- InterPore National Chapter Award
- InterPore Meritorious Service Medal
- Rien van Genuchten Early-Career Award of Porous Media for a Green World
- MDPI Energies Student Poster Award
- InterPore Rosette

#### **INDUSTRIAL EXHIBITION**

Manufacturers of imaging and measurement instruments, visualization and analysis software, as well as porous media publishers present their products.



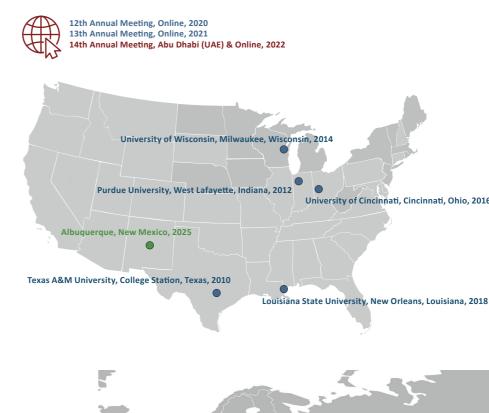


#### **INTERPORE CONFERENCES - LOCATIONS**

The conference is held annually. Members all over the world can apply to become the host of InterPore's annual event or regional meetings.

For more details please contact: info@interpore.org Porous Media companies and institutions are invited to sponsor InterPore.

#### WE THANK ALL OUR HOSTS FOR SUCCESSFUL INTERNATIONAL CONFERENCES ON POROUS MEDIA:



Edinburgh, Scotland, 2023

Delft University of Technology, Rott The Netherlands, 2017 Fraunhofer ITWM, Kaiserslautern, O

Germany, 200 I2M-Dept TREFLE (CNRS, ENSAM, O University of Bordeaux), France, 2011 Universitat Politècnica de Valènci

València, Spain, 2019

### » More than 90% of last year's participants recommend attending InterPore meetings. «





rsity of Cincinnati, Cincinnati, Ohio, 2016



#### **INTERPORE CONFERENCES - HOSTS**

InterPore is indebted to the dedicated people who served on the local organizing committees of our annual conferences. Chairs of Local Organizing Committees of all meetings are acknowledged here.

InterPore2010, College Station, USA

Yalchin Efendiev, Texas A&M University

InterPore2013, Prague, Czech Republic

InterPore2009, Kaiserslautern, Germany Oleg Iliev, Fraunhofer ITWM



John H. Cushman,

Purdue University











InterPore2014, Milwaukee, USA Krishna Pillai, University of Wisconsin, Milwaukee

InterPore2011, Bordeaux, France

Azita Ahmadi, ENSAM, I2M, University of Bordeaux

Didier Lasseux, CNRS, I2M, University of Bordeaux



InterPore2017, Rotterdam, The Netherlands Rafid al Khoury,



InterPore2021 Online Oleg Iliev, Fraunhofer ITWM

InterPore2018, New Orleans, USA

Karsten E. Thompson,

Louisiana State University



InterPore2019, Valencia, Spain Jaime Gómez-Hernández, Universitat Politècnica de València



InterPore 2022, Abu Dhabi, United Arab Emirates & Online Mohamed Sassi (Chair), Khalifa University Dimitrios Kyritsis (Co-Chair), Khalifa University



InterPore2023 Edinburgh, Scotland Andreas Busch, Heriot-Watt University Florian Doster, Heriot-Watt University Sebastian Geiger, Heriot-Watt University







Milena Císlerová,

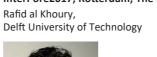
Czech Technical University

InterPore2015, Padova, Italy Mario Putti, University of Padova

InterPore2012, West Lafayette, USA









#### InterPore2020 Online

Oleg Iliev (Chair), Fraunhofer ITWM Lei Zhang (Co-Chair), China University of Petroleum







## **INTERPORE FOUNDATION & AWARDS**

InterPore Foundation for Porous Media Science and Technology is a non-profit, non-governmental, independent organization. It was founded by the International Society for Porous Media in 2016.



#### **OUR MISSION:**

- To support and promote the dialog between public and private scientific communities
- To support educational and outreach activities of the InterPore society
- To finance awards for innovative research in the field of porous media
- To honor distinguished researchers and lecturers in terms of excellence and diversity.
- To help the participation of young talented scientists, from countries with financial difficulties, at international Interore gatherings.
- To boost the visibility of young scientists at the international level.



Our activities rely on the contributions from our institutional and individual donors. Donations can be made via our website:



https://www.interpore.org/foundation

#### **CURRENT BOARD OF DIRECTORS**



From left to right; Steffen Berg (Shell Global BV. The Netherlands) – Chair; Peter Eliker (Kimberly-Clark) – Vice Chair; Azita Ahmadi (ENSAM, I2M, University of Bordeaux) - Treasurer; Yongfei Yang (China University of Petroleum) - Secretary; Noushine Shahidzadeh (University of Amsterdam) – Communication Officer; Andrea Peri (Procter & Gamble) – Communication Officer; Afshin Goharzadeh (Khalifa University, Abu Dhabi) - Fundraising Officer

Supporting educational and outreach activities of InterPore

Honoring distinguished researchers and lecturers

Sponsoring InterPore conference grants

#### **CONFERENCE GRANT PROGRAM**

Each year InterPore offers a significant number of conference grants to scientists from academic institutions from countries with lower- or middle-income economies, as defined by the World Bank and to graduate students.

These grants include waving of the conference fee of the annual InterPore conference.

Applicants must have a presentation at the InterPore conference.

The grants will be awarded based on applicants' academic attainment, quality of their research abstracts.

Award consists of: Grant for the conference fee of the annual InterPore conference





#### **INTERPORE FOUNDATION AWARDS**

#### **TIME CAPSULE**

The InterPore Time Capsules is a collection of interviews with some of the most eminent contemporary porous media scientists, who have played a major role in the development of porous media science and technology. Suggestions for candidates for InterPore Time Capsule interviews can be sent to the chair of Honors and Awards Committee by any member of InterPore. The nominee must be renowned and well established and have a long track record in porous media research and technology. The nomination should highlight the most important achievements of the candidate and make clear the contributions to the advancement of the ideals and aims of InterPore.

#### INTERPORE HONORARY LIFETIME MEMBERSHIP AWARD

This Award is reserved for individuals who have made extraordinary contributions to porous media science and technology, who are world renowned in porous media research, and have an outstanding record in serving the porous media community. It will be given to only one individual per year. Nominations of truly outstanding candidates are solicited from all branches of porous media science and technology, highlighting the most important achievements of the candidate and making clear his or her contributions to the advancement of the ideals and aims of InterPore.

#### **KIMBERLY-CLARK DISTINGUISHED LECTURESHIP AWARD**

The award is funded through a generous grant provided by Kimberly-Clark Corporation to the Foundation. Every year, an award committee will select a prominent porous media scientist, through a nomination procedure, to present the lecture during the following calendar year. The awardee will present the lecture at various member and non-member industrial and academic organizations.

#### THE INTERPORE MEDAL FOR POROUS MEDIA RESEARCH

The InterPore Medal for Porous Media Research (formerly InterPore Award for Excellence in Porous Media Research) is given to researchers with an established career in recognition of outstanding research in general porous media, with emphasis on research conducted over the past 10 years. Nominee and nominator must be members of InterPore.

#### THE INTERPORE AWARD FOR POROUS MEDIA RESEARCH

The InterPore Award for Porous Media Research (formerly Procter & Gamble Award for Thin and Swelling Porous Media Research) is given to mid-career researchers in recognition of outstanding research in general porous media, with emphasis on research conducted over the past 5 years. The nominees should as a maximum have up to 12 years research experience after completing their PhD and Nominee and nominator must be members of InterPore.

#### PORELAB AWARD FOR YOUNG RESEARCHERS

InterPore, on behalf of PoreLab, a center of excellence jointly formed by the Norwegian University of Science and Technology (NTNU) and the University of Oslo, grants an award to a young researcher in recognition of outstanding contributions in the field of porous media from a fundamental point of view. The research may be theoretical, computational, or experimental. Nominees must be PhD students or Postdoc researchers who obtained the PhD degree no longer than 3 years before the award nomination deadline. Nominee and nominator must be members of InterPore

#### **INTERPORE MERITORIOUS SERVICE MEDAL**

The InterPore Meritorious Service Medal recognizes individuals for exceptional, prolonged, impactful, and meaningful services to the Society. These individuals have exhibited such exceptional devotion of time, effort, thought, and action as to set them apart from other contributions. InterPore members, rosette recipients, and employees may be nominated for consideration.

#### **RIEN VAN GENUCHTEN EARLY-CAREER AWARD OF POROUS MEDIA FOR A GREEN WORLD**

Created with a generous donation by Dr. Betty-May Pontedeiro, this award is given to an early-career researcher with the general topic of "porous media research for a green world" as a main focus. Nominations for those who have contributed outstanding theoretical, experimental and/or modelling advances on natural or industrial porous media from fundamental and/or applied aspects addressing major soil, hydrologic and/or environmental problems facing our Planet are strongly encouraged. The award will be given annually to a person with at most three years of experience after receiving his/her PhD (not including the year of the award) and is preferentially intended for young researchers from countries with low- or middle-income economies as defined by the World Bank. Nominee and nominator must be members of InterPore

#### INTERPORE NATIONAL CHAPTER AWARD

The InterPore National Chapter Award, created in 2020, is given in recognition of the many activities a chapter has organized in recent years and has contributed to the InterPore society flourishing. The winning chapter is selected by the National Chapter Committee (NCC) during the first trimester of each year, on the basis of activities reported in the annual reports of chapters.

#### **MDPI ENERGIES STUDENT AWARD**

Up to two awards will be given each year in recognition of outstanding student poster presentations at the annual InterPore conference. The award is limited to students who personally present a poster on research that has been carried out during their studies. To be considered, the nominee must currently be a Bachelor, Master, or Doctoral student or must have completed his/her degree within one year of the InterPore conference. All topics relevant to the mission of InterPore and to the study of flow in porous media will be eligible for this student award. Nominations should be submitted by the supervisor of the student or a collaborator.

#### **INTERPORE ROSETTE**

InterPore activities are carried out mainly by volunteers. It takes many voluntary working hours to make an international platform like InterPore a success. The InterPore Rosette honors selected individuals who have made very significant contributions to InterPore activities. The InterPore Rosette is delivered every year at the Annual Meeting of the society.

#### **AWARDS AT A GLANCE**

AWARD	AWARD CONSISTS OF	NOMINATION DEADLINE
INTERPORE HONORARY LIFETIME MEMBERSHIP AWARD	<ul> <li>A certificate</li> <li>Lifetime InterPore membership</li> <li>Travel grant of €1,000 for participation in the next InterPore conference</li> </ul>	01 NOVEMBER
KIMBERLY-CLARK DISTINGUISHED LECTURESHIP AWARD	<ul> <li>A certificate</li> <li>A minimum of 20 lectures at different member and non- member industrial and academic organizations</li> <li>Travel expenses for participating in the next InterPore conference</li> <li>Host institution covers local travel expenses (transport to/ from airport) and a two-day hotel stay.</li> </ul>	01 NOVEMBER
INTERPORE MERITORIOUS SERVICE MEDAL	<ul> <li>A medal</li> <li>A certificate</li> <li>No registration fee at the next InterPore conference</li> <li>Lifetime InterPore membership</li> </ul>	01 NOVEMBER
THE INTERPORE MEDAL FOR POROUS MEDIA RESEARCH	<ul> <li>A certificate</li> <li>Travel grant of € 1,000 for participation in the next InterPore conference</li> <li>A medal</li> </ul>	01 NOVEMBER
THE INTERPORE AWARD FOR POROUS MEDIA RESEARCH	<ul> <li>A certificate</li> <li>Travel grant of € 1,000 for participation in the next InterPore conference</li> </ul>	01 NOVEMBER
PoreLab award for young researchers	<ul> <li>A certificate</li> <li>Stipend of € 1500 Euro per month for up to three months in residence at PoreLab (NTNU or University of Oslo)</li> <li>PoreLab will pay the travel and housing expenses connected with the stay</li> </ul>	01 NOVEMBER
Rien van Genuchten Early- Career Award for Porous Media Research for a Green World	<ul> <li>A certificate</li> <li>Travel grant of € 1,500 for participation in the next InterPore conference</li> </ul>	01 NOVEMBER
INTERPORE NATIONAL CHAPTER AWARD	<ul><li>A certificate</li><li>One free registration at the next InterPore conference</li></ul>	There is no nomination. Attribution is on the basis of the annual reports provided by the chapters
MDPI ENERGIES STUDENT Award	<ul><li>A certificate</li><li>A prize of € 500</li></ul>	15 MAY

## **INTERPORE ACADEMY**

The InterPore Academy of Porous Media (www.interpore.org/ academy) was established in 2020. Our mission is to be instrumental in implementing the InterPore aims to advance and disseminate knowledge for the understanding, description, and modeling of natural, biomedical and industrial porous media systems. We promote InterPore educational, training and research activities via Short Courses, Webinars, Thematic workshops and Young Academy activities.

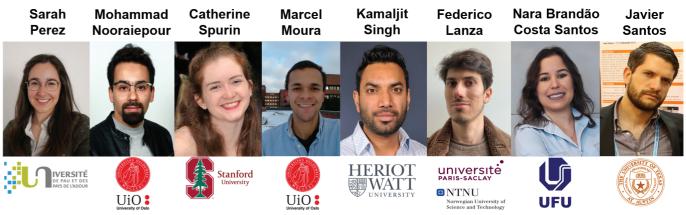
#### The InterPore Academy is organized as follows:

- Director of the Academy: Brian Berkowitz
- Scientific Secretary: Sadegh Riasi
- Chair of Webinar Committee: Sebastian Geiger
- Chair of Short Course Committee: Ilenia Battiato
- Chair of Thematic Workshop Committee: Yongfei Yang
- Co-Chairs of the Young Academy: Marcel Moura,
- Catherine Spurin, and Mohammad Nooraiepour

#### **YOUNG ACADEMY**

Motivated by the new challenges brought upon the scientific community by the pandemic, a group of young porous media researchers from several different universities teamed up and established the Porous Media Tea Time Talks initiative (PMTTT) in June 2020. The PMTTT platform is dedicated to the live streaming of talks on YouTube given exclusively by porous media students and early career scientists. InterPore has supported this initiative since its foundation and after a very successful first year, with almost 40 talks, the PMTTT is now formally joining InterPore as the seed activity for the Young Academy.

#### **THE YOUNG ACADEMY TEAM:**







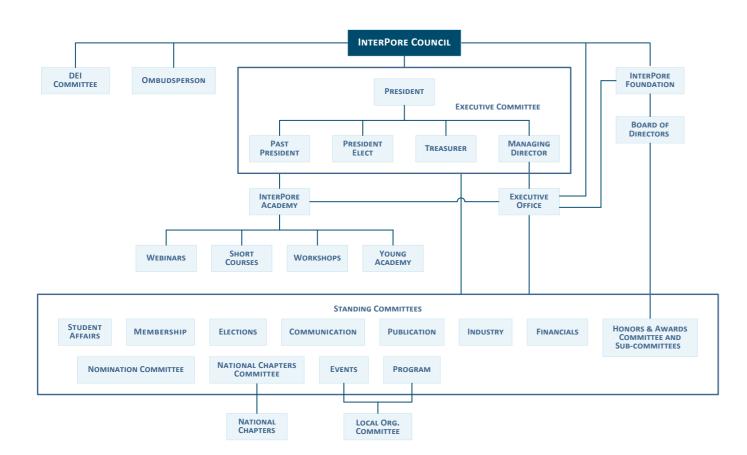
We invite you to provide suggestions for topics, lecturers, or new activity via our webpage: www.interpore.org/suggest-a-topic-lecturer or per email to our Executive Assistant (assistant-academy@interpore.org).



### **INTERPORE ORGANIZATION**

The society is a non-profit-making independent scientific organization. The Council as supervisory and consulting organ, comprises members of the Executive Committee (President, President-Elect, Past President, Managing Director, and Treasurer) and ordinary members, elected in equal numbers from industry and academia including a student representative, according to rules set down in the by laws.

The Executive Committee, comprising of the President, the President-Elect, the immediate Past President, the Managing Director and the Treasurer, is in charge of the Society operations. It is supported by a number of officers and committees.



#### **COUNCIL MEMBERS**

- The Council has 15 members comprised of:
- 9 ordinary members, who are elected directly by InterPore members
- 5 Executive Committee members,
- 1 student representative, who is the Chair of the Students Affairs Committee.

#### **ORDINARY MEMBERS**

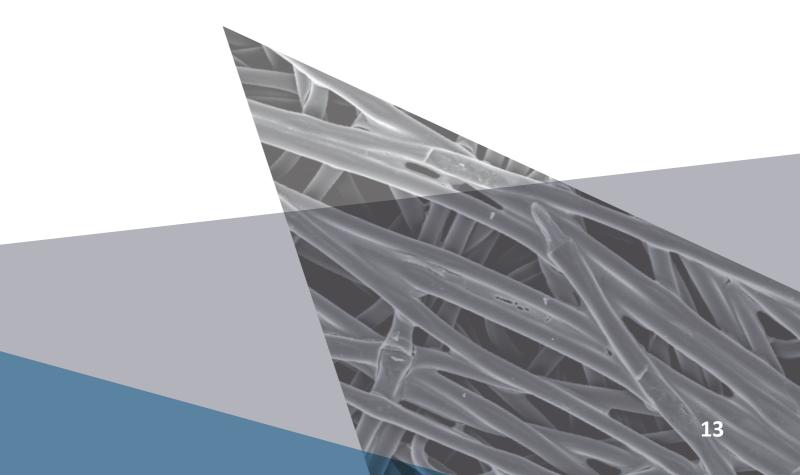


From left to right: Veerle Cnudde (Ghent University, Belgium); Peyman Mostaghimi (UNSW Sydney, Australia); Vahid Niasar, Chair (University of Manchester, UK); Benoit Noetinger (IFP, France); Maša Prodanović (The University of Texas at Austin)





From left to right: Monica Riva (Politecnico Milano, Italy); Maja Rücker (Eindhoven University of Technology, the Netherlands); Veronika Schleper (Fluid Dynamics; Bosch, Germany); Daniel Tartakovsky (Stanford University, USA);







#### **EXECUTIVE COMMITTEE**



President Michel Quintard Institut de Mécanique des Fluides de Toulouse, France president@interpore.org



Treasurer Azita Ahmadi-Senichault ENSAM, I2M, University of Bordeaux, France treasurer@interpore.org



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Hamidreza Parsimehr

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International Science Council Liaison Tannaz Pak Teesside University, UK

University of New Brunswick, Canada

MRC Laboratory of Molecular Biology

& Cambridge University, UK

Heriot-Watt University



**INDUSTRY COMMITTEE** 



Social Media Task Force

University of Wyoming, USA

skamrava@uwyo.edu

Serveh Kamrava

Chair

Co-Chair Thomas Ramstad Equinor, Norway trams@equinor.com

#### **FINANCIAL COMMITTEE**



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Mark Knackstedt mark.knackstedt@anu.edu.au

### **INTERPORE'S OMBUDSPERSON**



Linda Abriola Brown University, USA ombudsperson@interpore.org



**President - Elect** Karsten Thomspon Louisiana State University, USA president-elect@interpore.org

#### **EXECUTIVE OFFICE**



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**Research Spotlights Editor** Lynn Schreyer Washington State University, USA lynn.Schreyer@wsu.edu



Australian National University, Australia



#### **PROGRAM COMMITTEE**



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Chair

Oleg Iliev

**Short Courses** 

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Matthias Appel Shell Global BV, The Netherlands

Inga Berre Bergen University, Norway

Anozie Ebigbo ETH Zürich, Switzerland

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Gennady Gor New Jersey Institute of Technology, USA

Bo Guo University of Arizona, USA

Tiina Roose University of Southampton, UK

Hamdi Tchelepi Stanford University, USA

Stéphane Zaleski University Pierre and Marie Curie, France

#### NATIONAL CHAPTERS COMMITTEE



Chair Didier Lasseux didier.lasseux@u-bordeaux.fr

Eduardo Abreu University of Campinas, Brazil

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#### **NATIONAL CHAPTERS**

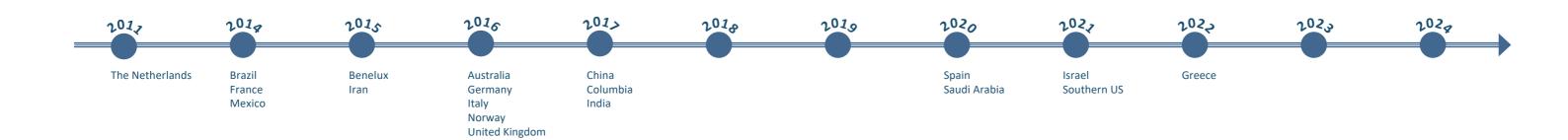
#### InterPore cordially invites the porous media communities of all countries to form national chapters.

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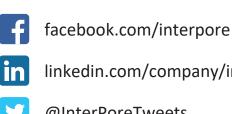












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