

6th Brazil Interpore Chapter Conference on Porous Media

site: <https://pages.cnpem.br/interpore2023br/>

August 7th – 9th, 2023 – LNLS/CNPEM

Campinas/SP - Brazil.

The 6th Brazil Interpore Chapter Conference on Porous Media occurred from August 7th to 9th, 2023, at the Sirius laboratory, in Campinas – SP - Brazil. Sirius is a fourth-generation Brazilian synchrotron laboratory, and it was the conference venue for the first time. Sirius is part of the National Synchrotron Light Laboratory (LNLS), one of the national laboratories of the National Center for Research in Energy and Materials (CNPEM). There were 104 participants, with representatives from all Brazilian regions (North, Northwest, South, and Southwest) were at the event, as well as eighteen foreigners. The conference attracted many students, post-docs and young researchers and foster interaction with senior researchers and professors from academia and industry.

The conference brought twelve plenary speakers, eighteen oral presentations and twenty-three posters covering a variety of porous media areas: synchrotron; theory, modeling, numerical methods; energy and industrial application; green world; biotechnology; oil science and microfluidic and smart materials. The scientific program was focused on advances in porous media research, methods, applications, and theory. It consists of plenary lectures with internationally recognized experts, and several sessions of seminars on selected topics covering diverse scientific fields related to porous media. This event aims to disseminate knowledge on porous media related topics and strengthen the collaboration between the Brazilian interpore community and the Brazilian Synchrotron Light Laboratory by bringing together international and local specialists from the academy, industry, and experimental areas related to porous media research.

The 6th Brazil Interpore Conference on Porous Media is the sixth of a series of successful meetings organized by the Brazilian chapter of the International Society for Porous Media. The first Brazilian Interpore Conference was held at the Brazilian National Institute of Pure and Applied Mathematics (IMPA), on October 19-21, 2014, in Rio de Janeiro, followed by the 2nd InterPore BR Meeting also at IMPA. The 3rd InterPore BR Meeting Brazilian Interpore Conference was held at the National Laboratory for Scientific Computing (LNCC) <https://youtu.be/5VVLwsVuo2Y> August 05-08, 2019 – Petrópolis.

The 4th and the 5th BR-Interpore were in full virtual conference mode, keeping in mind the worldwide time zones. <https://www.interpore.org/brazil-interpore-chapter/>

Below is a list of the international invited speakers of the the 6th Brazil Interpore Chapter Conference on Porous Media, whose interests include

(<https://pages.cnpem.br/interpore2023br/invited-speakers/>)

- Porous Media & Synchrotron
- Porous Media & Theory, Modeling and Numerical Methods
- Porous Media & Energy and Industrial Applications
- Porous Media & Green World
- Porous Media & Biotechnology
- Porous Media & Oil Science and Microfluidic
- Porous Media & Smart Materials

During the conference, there was a delicious coffee break and cocktail, which helped to foster scientific discussion and integration among participants. On the last day there was a visit on the LNLS laboratory to the different beamlines that work with porous media materials to show the attendees the different techniques of the Synchrotron laboratory that can contribute to the porous media research and foster collaborations. Overall, the conference was a success and provided valuable insights and discussions on important topics.

We had twelve plenary speakers in total. One was an online presentation, five plenaries were from LNLS-CNPEN, one speaker was from industry, and other five plenary presenters were important researchers from the Brazilian and international community.

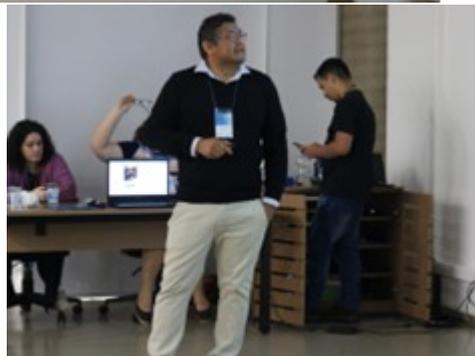
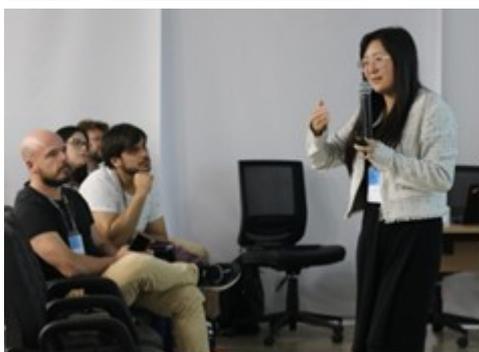
The conference was sponsored by IBM, Tennessee (Math2Market Brazilian representative), Pitec and FAPESP.

Our objective to integrate the established InterPore community with the experimental porous media community here in Brazil was reached, as well as expand the collaborations from the different research teams of all Brazil regions.

The conference website created by the CNPEM summarizes the event organization (<https://pages.cnpem.br/interpore2023br/>).



Figure 1. Official photo of the 6th Brazil Interpore Chapter Conference on Porous Media occurred from August 7th to 9th, 2023, at the Sirius laboratory, in Campinas – SP - Brazil. Attendees were at the experimental hall of Sirius (LNLS-CNPEN).



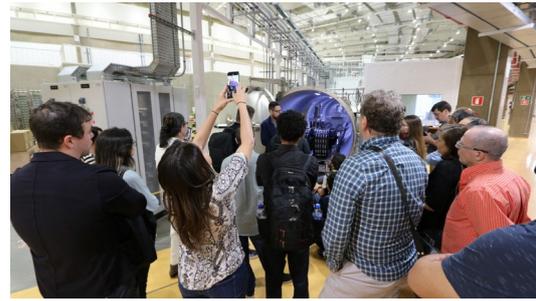


Table 1: Number of attendees and nationality.

Brasilian	86
Foreigner	18
Total	104

Table 2: Gender of the attendees.

Male	69
Female	35
Total	104

Table 3: Age of the attendees.

Up to 25 years old	11
Between 26 and 30 years old	16
Between 31 and 40 years old	45
More than 40 years old	32
Total	104

Table 4: Distribution of attendee by Brazilian states.

SP	46
RJ	24
SC	8
RS	2
PA	9
PE	2
MG	4
DF	1
CE	1
Foreigner	7
Total	104