

# X WORKSHOP ON POROUS MEDIA - FLOW IN POROUS MEDIA AND FRACTURES

July 17th, 2020 - 9 AM (BRAZIL) / 12 PM (UTC)



## Program

X Workshop on Porous Media - Flow in porous media and fractures - **Web Conference**

July 17, 2020

**Time: Brazil:** 9:00am-00:30pm / 2:00pm-4:00pm / **UTC:** 2:00pm-5:30pm / 7:00pm-9:00pm

Estimated event duration: 3h30 (first section) / 2h (second section).

Official Language: English

Conference Platform: Google Meet

**First session – 9:00am to 00:30pm (Brazil) / 2:00pm to 5:30pm (UTC)**

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### Welcome and Instructions

**Duration:** 5 min

Prof. Pedro T. P. Aum (UFPa, Brazil) & Prof. Tito J. Bonagamba (IFSC/USP, Brazil)

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### Activities of Petroleum Science and Engineering Lab

(UFPa/Salinópolis/ LCPetro)

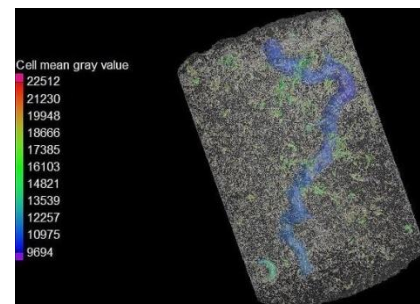
**Duration:** 10 min

Prof. Pedro T. P. Aum (UFPa, Brazil)

[linkedin.com/in/pedro-aum-89981920](https://www.linkedin.com/in/pedro-aum-89981920)

<https://lattes.cnpq.br/7515419219571335>

<https://lcpetroufpa.weebly.com/>



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### Porous Media Research at High-Resolution NMR Lab (LEAR/IFSC/USP)

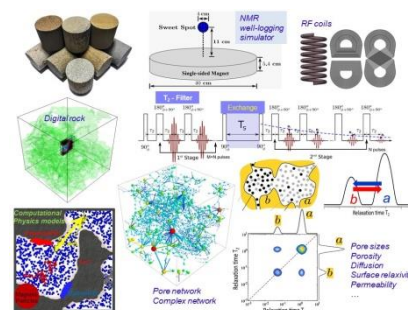
**Duration:** 10 min

Prof. Tito J. Bonagamba (IFSC/USP, Brazil)

<https://www2.ifsc.usp.br/english/personal-page-professor/?codigo=148>

[linkedin.com/in/tito-josé-bonagamba-a6a482145](https://www.linkedin.com/in/tito-josé-bonagamba-a6a482145)

<https://ifsc-lear.weebly.com>



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## Flows of non-Newtonian fluids in porous media and fractures

**Duration:** 45 min

Prof. Sandro Longo - (Università di Parma, Italy)

[linkedin.com/in/sandro-longo-50538042](https://www.linkedin.com/in/sandro-longo-50538042)

<http://www2.unipr.it/~slongo/>

<https://www.journals.elsevier.com/journal-of-petroleum-science-and-engineering/editorial-board/sandro-longo>



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## Effect of Wettability on Oil Displacement in 2D and 3D

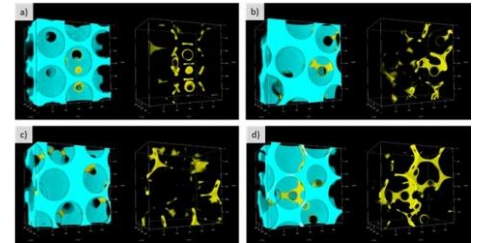
**Porous Media**

**Duration:** 30 min

Prof. Márcio da Silveira Carvalho - (PUC-RIO, Brazil)

<http://lmmp.mec.puc-rio.br/lmmp/people/prof-carvalho/>

[linkedin.com/in/marcio-carvalho-ba00b81](https://www.linkedin.com/in/marcio-carvalho-ba00b81)



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## Fluid dynamics at nanoporous: are the macroscopic laws still valid?

**Duration:** 30 min

Prof. Caetano Rodrigues Miranda (USP, Brazil)

<https://portal.if.usp.br/sampa/pt-br/node/327>



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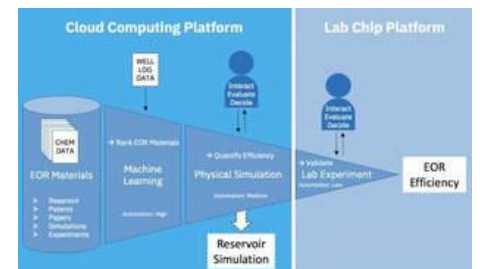
## Use of scalable IT platform technologies for screening EOR materials in digital rocks

**Duration:** 30 min

Dr. Rodrigo Neumann Barros Ferreira (IBM Research, Brazil)

<https://researcher.watson.ibm.com/researcher/view.php?person=br-rneumann>

[linkedin.com/in/rneumann](https://www.linkedin.com/in/rneumann)



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**Second session – 2:00pm to 4:00pm (Brazil) / 7:00pm to 9:00pm (UTC)**

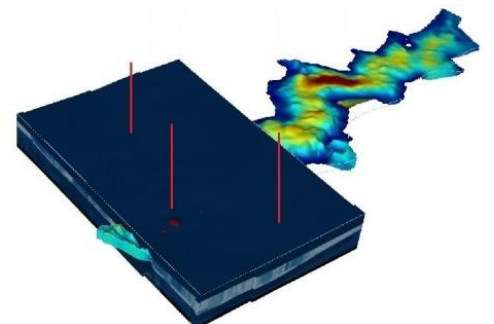
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## Multiscale Models for Flow in PaleoKarst Reservoirs

**Duration:** 30 min

Dr. Márcio Arab Murad (LNCC, Brazil)

<https://www.lncc.br/~murad/>



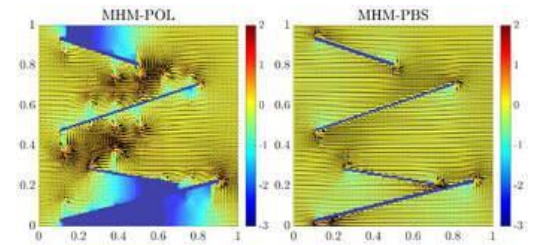
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## Improving the accuracy of multiscale methods for fractured porous media

**Duration:** 30 min

Dr. Fabricio Simeoni de Sousa

<http://www.icmc.usp.br/~fsimeoni>



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### Organized by

Prof. Pedro T. P. Aum - Federal University of Pará (UFPA)

Prof. Edson de A. Araújo - Federal University of Pará (UFPA)

Prof. Tito J. Bonagamba - University of São Paulo (USP)

Dr. Éverton Lucas-Oliveira - University of São Paulo (USP)

### Support

- *Petroleum Science and Engineering Lab (LCPetro) - UFPA*

<https://lcpetroufpa.weebly.com/>

<https://www.linkedin.com/company/53540068>

- *High-Resolution NMR Lab (LEAR) – IFSC/USP*

<https://ifsc-lear.weebly.com/>

- *Post-Graduation of Chemical Engineering - UFPA (PPGEQ/ITEQ/UFPA)*

<http://ppgeq.propesp.ufpa.br/index.php/en/program/news/recent-posts>

*Website developed by Éverton Lucas de Oliveira & Tito J. Bonagamba*