VIII Workshop on Porous Media – Petroleum Science: Magnetic Resonance Imaging, MicroCT, Digital Rock & Single-Sided NMR

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

Main Speaker: Prof. Bruce J. Balcom (Univ. of New Brunswick/UNB - Canada)

São Carlos - January 28-29, 2020 – *Room to be confirmed (click here)*

Workshop Program

January 28, 2020:

14h00 *Welcome & Porous Media NMR & MicroCT - Digital Rock research at LEAR/IFSC/USP*, Prof. Tito J. Bonagamba (LEAR/IFSC/USP)

15h00 *Introduction to Magnetic Resonance Imaging of Materials and Processes*, Prof. Bruce J. Balcom (UNB)

16h00 Break

16h30 *Magnetic Resonance and Magnetic Resonance Imaging of Petroleum Rock Core Plugs*, Prof. Bruce J. Balcom (UNB)

17h30 *Digital Porous Media through Complex Network: Morphology and Permeability*, Dr. Mariane Barsi Andreeta (LEAR/IFSC/USP)

January 29, 2020

8h30 *Single-Sided and Portable Magnetic Resonance*, Prof. Bruce J. Balcom (UNB)

9h30 *First Single-Sided NMR experiments at LEAR/IFSC/USP*, Dr. Arthur Gustavo de Araujo Ferreira (LEAR/IFSC/USP)

10h30 Break

11h00 *Challenges in NMR well logging while drilling for oil/gas reservoir evaluation*, Dr. Willian Andrighetto Trevizan (Cenpes/Petrobras)

12h00 Lunch

13h30 *Porous Media NMR - Experiments and Simulation based on Digital Rock*, Dr. Éverton Lucas de Oliveira (LEAR/IFSC/USP)

14h30 *Digital Petrophysics - Compositional pore network model for gas condensate flow*, Prof. Márcio Carvalho (LMMP/PUC-Rio)

15h30 Break

16h00 *Digital Petrography - mineralogy and porosity identification using machine learning models*, PhD Student Rafael Andrello Rubo (InTRA/EPUSP)

17h00 *Cloud based digital rock and petrophysics*, Dr. Mathias B. Steiner (IBM Research | Brazil)
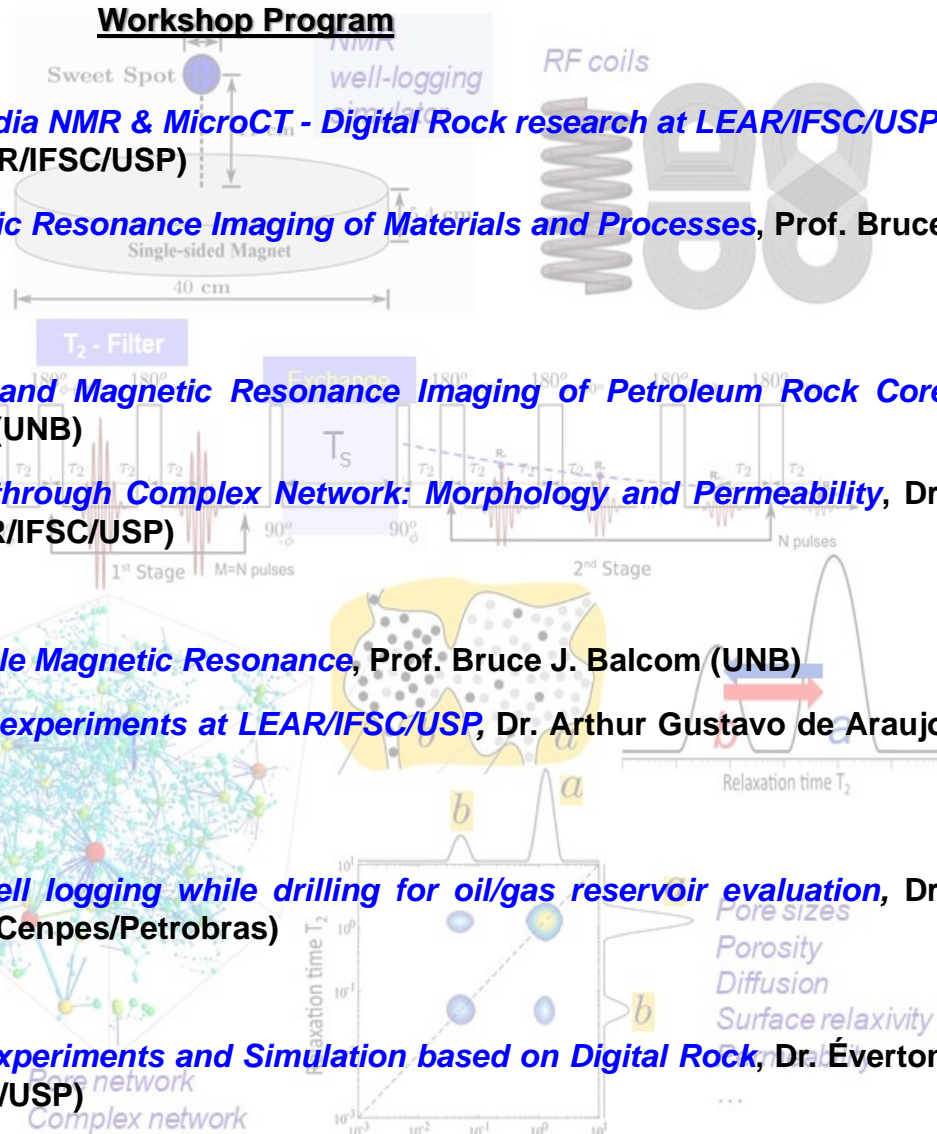
Local Organizing Committee:

Dr. Arthur Gustavo de Araujo Ferreira
Dr. Éverton Lucas de Oliveira
Dr. Mariane Barsi Andreeta
Prof. Tito José Bonagamba

Read more about Workshop and Registration @ LEAR homepage
ifsc-lear.weebly.com/