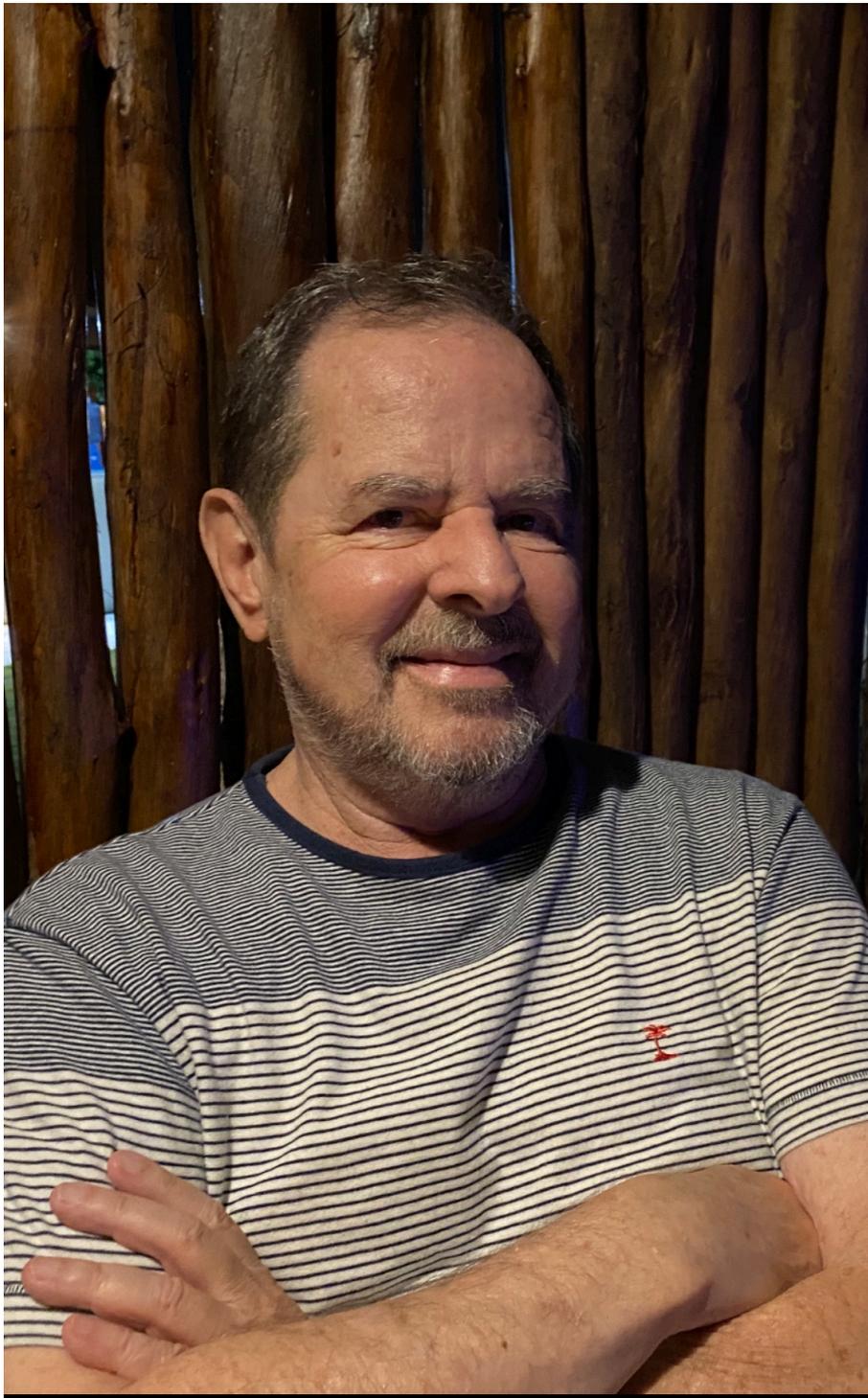


Workshop on Magnetism and Magnetic Materials: From Basic Physics to Magnonics

“In celebration of the 80th Anniversary of Professor Sergio Machado Rezende”



Organized by Departamento de Física - Universidade Federal de Pernambuco at Recife

On October 16, 2020

Videoconference by Google-Meet (meet.google.com/jfc-oywc-fcx)

and

Streamed on YouTube (<https://youtu.be/sY1hctlreI8>)

Program (Local time at Recife)

Open Ceremony:

- 12:30-12:45h – **Welcome to the Honoree and to the participants**, Prof. Cid B. de Araújo - (Physics, UFPE)
- 12:45-13:00h – **Contributions from S. M. Rezende to the S&T system, Awards and Distinctions**, Prof. Ivon P. Fittipaldi (Physics, UFPE)
- 13:00-13:15h – **Academic and Scientific Contributions**, Prof. Maurício D. Coutinho-Filho - (Physics, UFPE)
- 13:15-13:30h – **Scientific, academic and administrative contributions to the development of the research at UFPE and at the Country**, Prof. José Roberto Rios Leite - (Physics, UFPE)

Scientific Contributions:

- 13:30-14:00h – **“Effects of organic coating on the magnetic properties of nanoparticles”**, Prof. Dino Fiorani (Institute of Structure of Matter of CNR, Italy)
- 14:00-14:30h – **“Magnetism of cylindrical nanowires”**, Prof. Manuel Vázquez Villalabeitia (Instituto de Ciencia de Materiales de Madrid, CSIC, Spain)
- 14:30-15:00h – **“Bose-Einstein condensation of magnons in confined systems”**, Prof. Burkard Hillebrands (TU Kaiserslautern, Germany)
- 15:00-15:30h – **“Hybrid Magnon Modes”**, Prof. Axel Hoffmann (University of Illinois at Urbana-Champaign, USA)
- 15:30-15:45h – Short break
- 15:45-16:00h – **“Magnonic spin current in Ferromagnetic and Antiferromagnetic Insulators”**, Prof. Roberto Lázaro Rodríguez Suárez (Physics, PUC de Chile-Santiago)
- 16:00-16:15h – **“30, 50, 80, Magnetism”**, Prof. Carlos Chesman de Araujo Feitosa (Physics, UFRN)
- 16:15-16:30h - **“Magnons in magnetic semiconductors”**, Prof. Eduardo Fontana (E. Engineering, UFPE)
- 16:30-16:45h – **“Molecular model for magnetic iron”**, Prof. Antônio Carlos Pavão (Chemistry, UFPE)
- 16:45-17:15h – **“Spins in semiconductors as quantum bits”**, Prof. Belita Koiler (Physics, UFRJ)
- 17:15-17:45h – **“Reminiscences of an old collaboration with Sergio Rezende”**, Prof. Nicim Zagury (Physics, UFRJ)

Closing Ceremony:

- 17:45-18:15h – **Sergio Rezende: Multiple Legacies**, Prof. Sergio Mascarenhas (Physics, USP – São Carlos)
- 18:15-18:30h – Further messages and few words delivered by the honored of the day!

Organizing Committee:

Cid Bartolomeu de Araújo (Chair)
Antonio Azevedo da Costa
Eduardo Padrón Hernández
Fernando Luis de Araujo Machado
Flávio Menezes de Aguiar