



**ICTP
SAIFR**

International Centre
for Theoretical Physics
South American Institute
for Fundamental Research

WORKSHOP ON HIGH-PRESSURE MINERAL PHYSICS AND GEOPHYSICS APPLICATIONS

February 2 – 6, 2026
at IFT-UNESP, São Paulo, Brazil

INVITED SPEAKERS

Alex Antonelli (Unicamp)
Alexandre Reily Rocha (ICTP-SAIFR)
Bill McDonough (WPI-AIMEC, Tohoku U., Sendai, JP)
Bob Myhill (Bristol)*
Boris Kaus (University of Mainz)
Caetano Miranda (IFUSP)
Caio Ciardelli (Northwestern U., Evanston, US)
Carlos Alberto Moreno Chaves (IAG, USP)
Ed Garnero (Arizona State U.)*
Edison Zacarias (IFGW-Unicamp)
Fernanda Gervasoni (Visiting LNLS-CARNAÚBA)
Gabriel Schleder (LN-Nano, CNPEM)
Iurii Timrov (Paul Scherrer Institute, CH)
Jeroen Ritsema (U. of Michigan)
John Hernlund (ELSI, Science Tokyo)
Jung-Fu Lin (UT-Austin)
Laura Cobden (U. of Utrecht)*
Maurice de Koning (IFGW-Unicamp)
Narcizo Marques de Souza (LNLS-EMA)
Patrick Cordier (U. de Lille)*
Paul Tackley (ETH)
Philippe Carrez (U. de Lille)
Renata Wentzcovitch (Columbia U.)
Rommulo Conceicao (UFRGS)
Stephane Labrosse (U. of Lyon)
Suzan van der Lee (Northwest U.)
Thorsten Becker (UT-Austin)
Victor Sacek (IAG-USP)

*virtual speakers

Materials simulations bring powerful methods for predicting the physical properties of complex mineral phases, assemblages, and melts under the extreme conditions expected in Earth's interior (~6,500 K and 3.6 Mbar). They play a central role in probing the deep Earth and have brought us to the threshold of developing a general predictive theory of planetary interiors grounded in their material properties.

This workshop advances this vision by bringing together a multidisciplinary team of scientists to discuss the integration between three core fields of computational geophysics: mineral physics, seismology, and geodynamics.

Registration deadline:
December 20, 2025

Online application and more information:
ictp-saifr.org/hpmpg2026



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