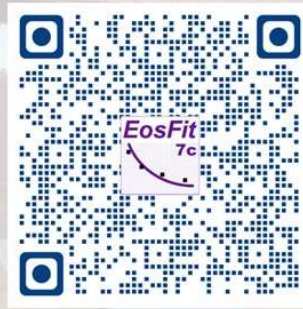


Online Short Course on Equations of state

Starting October 24th 2023



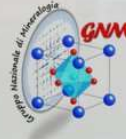
Prof. Ross J. Angel



Prof. Matteo Alvaro



UNIVERSITÀ
DI PAVIA



European Research Council

Organized by the Dept. Earth Sciences & Environment, University of Pavia

The course is designed for masters and PhD students in Earth Sciences, Physics, Chemistry and Engineering but postdocs and researchers are also welcome.

Topics

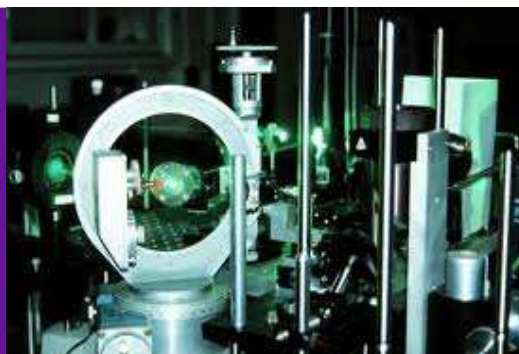
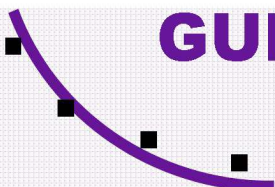
- Hydrostatic pressure, theory of non-linear equations of state for pressure
- Determining EoS parameters from diffraction and elasticity data with the EosFit software
- Critical evaluation of data
- Theory, fitting, and applications of PVT equations of state

The course will be taught in English. No prior knowledge is required of elasticity or EoS. A normal level of mathematics for PhD students in sciences will be assumed.

Logistics

- The course consists of 24 lectures of 90 minutes held twice a week, normally on Tuesdays and Thursdays.
- You can receive 11 credits through the European Credit Transfer System (ECTS) by completing the course including the question sheets and passing the final written exam.
- The course is free, but numbers will be limited.
- If you want to participate in the course you must register by October 15th at www.mineralogylab.com/event/equations-of-state-course/.
- After registration you will receive a link to access the lectures through zoom.

EosFit
GUI



EosFit
Pinc

