



UNIVERSITÀ
DI TRENTO

Dipartimento di
Fisica

PHD PROGRAM IN SPACE SCIENCE AND TECHNOLOGY - SST

From Space to Earth and Back

Wednesday, June 14, 2023, 9:30 am

Speaker: Prof. **Giovanni Pratesi**, Department of Earth Sciences - University of Florence

Abstract: Studying meteorites is a pivotal topic in planetary sciences since they represent the only material evidence available on Earth, except from specimens collected in SRMs, to investigate the origin and the evolution of the Solar System bodies. Meteorites may contain presolar grains, organic matter, and exotic minerals – the latter formed during the long history of impact processes. The comparison of meteorite spectral features with those of asteroids then allows to match the diverse meteorite classes and groups with the different asteroid families.

References:

Grady M., Pratesi G., Moggi Cecchi V. 2014. *Atlas of meteorites*, Cambridge University Press.

Rubin A., Ma C. 2021. *Meteorite mineralogy*. Cambridge University Press.

Russell S.S, Connolly Jr H.C., Krot A.N. 2018. *Chondrules. Records of Protoplanetary Disk Processes*. Cambridge University Press.

Short Bio: Giovanni Pratesi is the professor of Planetary Mineralogy at the University of Firenze. His research focuses on meteorites and impact rocks. He is involved in various space missions such as Hayabusa-2, HERA and Destiny+. He also founded the Italian Museum of Planetary Sciences in Prato.

Online Attendance

Zoom ID: 826 9662 4264

Passcode: 421967

Zoom Link:

<https://unitn.zoom.us/j/82696624264?pwd=RHBxY05oN2JObUtOMHJLRWJvdDFtQT09>

Contacts

SST PhD Program Secretariat

tel. 0461 281504

dn_sst@unitn.it ; unitn.it/phd-sst/