



**9<sup>th</sup>-11<sup>th</sup> JULY 2024**

## **DRT-2024 PROGRAMME AND ABSTRACT BOOK**

**24th International Conference on Deformation mechanisms,  
Rheology and Tectonics (DRT-2024)**

This booklet contains the scientific programme and the abstract book of the DRT-2024 conference. We thank the members of the scientific and organising committees, the keynote speakers, session chairs, and all the participants for their contributions.

We hope you enjoy the conference and cultural delights of Barcelona.

**Welcome!**

A handwritten signature in blue ink, consisting of a stylized 'M' and 'L' followed by a horizontal line.

María Gema Llorens (on behalf of the organising committee)

*More information at: <https://drt-society.org/conferences/barcelona-2024/>*

# Tectonic and slope-scale gravitational deformation in orogenic belts: New insights from regional inventories in central Appennines (Italy)

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Original inventory of Deep-Seated Gravitational Deformations (DSGSDs) in the central Apennines includes about 250 cases. Relationship with tectonic features, inherited from Mio-Pliocene thrusting or due to Quaternary normal faulting, is evident. In this context, the first case of a basal shear zone at the bottom of a DSGSD found in the entire belt is documented. Field evidence and numerical modeling suggest a gravity-driven deformation mechanism for the development of non-tectonic breccias.

Image

