



IGA Lecture Wednesday, 17th April 2024 at 7pm

**“The Changing Roles of Long-lived Faults in Mountain Belts:
Examples from the Variscides of Southern Ireland”**

by Dr Pat Meere (University College Cork)

Abstract: Once initiated and developed, faults tend to have prolonged activation histories that highly influence tectonic deformation, fluid flow, and associated mineralisation in the brittle upper crust. The fault systems associated with Devonian/Carboniferous crustal extension and subsequent Variscan crustal shortening from southern Ireland offer an opportunity to explore the various stages and roles of faults throughout their long lifespans. This talk will primarily look at the temporal and spatial distribution of Variscan tectonic strain across the northern margin of the Upper Devonian Munster Basin, which was very much influenced by pre-collisional basin architecture, particularly by inherited extensional fault systems.



Biography for Dr. Pat Meere (UCC):

Dr Pat Meere is a structural geologist based in the School of Biological, Earth & Environmental Sciences at University College Cork. His main research interests are looking at deformation and structurally controlled fluid in foreland orogenic settings, particularly the Variscides of southern Ireland.

IGA Lecture Date and Time: Wednesday, 17th April 2024, between 19:00 and 20:00 via Zoom

To Register: Please sign in [HERE](#) or, alternatively, send an e-mail to info@geology.ie

A Zoom link will be sent on the day to those who have registered.

Looking forward to seeing you (if virtually) there,

The IGA Council