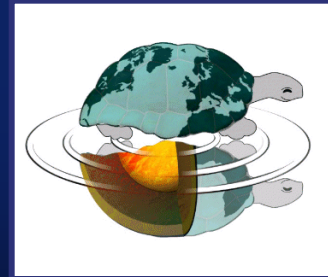




UNIVERSITÀ DEGLI STUDI DI MILANO

Corso di Dottorato in
Scienze della Terra
(PhD, Earth Sciences)



Milano - 12 Febbraio 2019 - ore 16.30 Aula D (via Botticelli)

Formation of the oceanic crust: successes and challenges of deep drilling

- Highlighting some of the scientific questions related to accretion processes at mid-ocean ridges;
- Results of IODP Expeditions on detachment faulting, hydrothermal alteration, magmatic processes in building crust at slow-spreading ridges;
- Insights on crustal accretion and cooling (IODP Expedition 345 at Hess Deep, 2002-03) of layered primitive gabbros of fast-spread crust;
- Next challenges for scientific drilling in the ocean lithosphere, the “MoHole to the Mantle” project (<http://mohole.org>), which aims to reach and sample the uppermost mantle beneath the Pacific fast-spread crust.



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