

Profile 5

PROFILE DESCRIPTION

HOST ORGANIZATION

Inviting Professor (name, e-mail, telephone number)	Prof. Daniele Brunelli @: daniele.brunelli@unimore.it 059205 8462
Inviting Professor Teaching Activity	Petrologia Scienze Geologiche Petrografia Scienze Naturali
Department	Dipartimento di Scienze Chimiche e Geologiche

VISITING PROFESSOR PROFILE REQUIRED

Scientific Domain	Geodynamics of the global MOR system. Tectonomagmatic processes along the slow and ultraslow spreading ridges. Structural and deformation mechanisms of detachment and normal sectors of MORs. Mechanical effects of serpentinization and hydration on the rheology of the lower oceanic crusts. Interrelation hydrothermal activity-tectonics and magmatism along the slow-spreading MORs
Teaching activity to be carry out in the host organization (teaching module and seminars- at least 30 hours)	Short course for PhD M3ES school on geodynamics and tectonomagmatic mechanisms at slow spreading MORs 20 h Structural petrography module on talc and serpentine mineralizations in the oceanic crust rocks. In MN1-1236 Petrologia 15 H Metamorphic petrology module of peridotitic and gabbroics in MN1-1236 Petrologia 15 H
Master's Degree Course and PhD course where the teaching activity will be carried out	-PhD school M3ES -Master in Scienze e Tecnologie Geologiche
Relevant skills and competences of the visiting professor	Leadership in long term observatories along Mid Ocean Ridges Petrography and petrology of the lower oceanic crust Rheology of lower crust and detachment faults
Proposed length of stay	a.y. 2016/2017 <input type="checkbox"/> II semester 3 full months