

Extrait du Géologie et géo-tourisme

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Curriculum Vitae (EN)

- Informations "institutionnelles" -

Date de mise en ligne : Friday 25 August 2006

Description :

Detailed C.V.

Géologie et géo-tourisme

Latest update: July 2010

Personal:

Married, three children

Adress :

Paper mail:

Département de géologie, Faculté des Sciences

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Languages :

French ; English (fluent) ; Afrikaans, German (elements)

Studies and jobs :

1992 1996 : Student at Ecole Normale Supérieure (Paris).

1993 1994 : Licence and Maîtrise (3rd and 4th year, equiv. BSC.Hons.) in Earth Sciences, ENS Paris.

1995 : Agrégation des Sciences de la Vie et de la Terre (French diploma for secondary school teachers).

1995 1996 : D.E.A. (equiv. Master) processus magmatiques et métamorphiques ; volcanologie Université Blaise Pascal (Clermont-Ferrand II).

1996 2000 : PhD in petrology and geochemistry and moniteur (Part-time junior lecturer).

Subject : Granitic magmatism at the Archaean Proterozoic boundary : exemple of the South Indian Dharwar Craton .

Supervisor : Prof. Hervé Martin, Université Blaise Pascal, Clermont-Ferrand.

2000 2001 : Junior engineer, BRGM (French Geological Survey), Réunion island (French Indian Ocean). Working on natural hazards

2001 2002 : Attaché Temporaire d Enseignement et de Recherche (A.T.E.R.) (equiv. lecturer) Université Henri-Poincaré, Nancy I.

2002 2003 : Attaché Temporaire d Enseignement et de Recherche (A.T.E.R.) Université Claude-Bernard, Lyon I.

2003 2006: Post-doc, Universiteit van Stellenbosch, South Africa. Advisor : Prof. Gary Stevens

2006 2009: Lecturer (Igneous Petrology), Universiteit van Stellenbosch, Afrique du Sud.

2009: Senior Lecturer, Universiteit van Stellenbosch, Afrique du Sud.

Present situation:

Present: Professeur (Associate Professor), Université Jean-Monnet, Saint-Etienne and UMR 6524 "[Magmas et volcans](#)"

Research interests :

- Formation and evolution of the continental crust, Archaean to present ; crustal evolution in convergent plate boundaries ; geochemistry of the Archaean continental crust ;
- Partial melting of amphibolites ; genesis of TTG magmas and interactions with the mantle wedge (sanukitoids) ;
- Geochemical modelling of plutonic systems ;
- Archaean geodynamics ; structure and metamorphic evolution of Archaean orogenies ; onset of plate tectonics.

Publications and reports :

- 27 papers published or submitted in international journals, several in preparation (see list) ;

- 59 communications and posters in national and international meetings ;
- Reports for BRGM (Cartographie réglementaire des risques sur la commune de Cilaos ; etc.) ;
- Contribution to geological maps (central West Greenland, Geological Survey of Greenland GEUS).

Other academic roles :

- Regular reviewer for Precambrian Research, Lithos, Journal of Geology, Geology, Journal of Petrology, Gondwana Research, Journal of the Geological Society of India, etc. (5-6 per year);
- Member of organizing committee, [VI th Hutton conference](#) on granitic rocks (Stellenbosch, July 2007); Session chairman and Guest editor.

Main projects and collaborations :

- Petrological and structural evolution of the South Indian Archaean crust : French-Indian collaboration (IFCPAR, projet nb 1111-1, 1997 2001 and 2307-1, 2001 2003) ;
- Mapping and study of the Northern Nagssugtoqidian Orogeny, Lower Proterozoic, West Greenland : 6-weeks field mission with GEUS (Geological Survey of Greenland) (summer 2002) ;
- Several collaborations about Hercynian granites in the French Massif Central.
- Research on the evolution of Barberton mountain land, south Africa (NRF grant 384297 Mid-crustal (. . .) accretionary tectonic processes in the Barberton granite-greenstone terrane (prof. A.Kisters) and GUN2053698 Scrutinizing crustal anatexis (prof. G. Stevens))
- Member of the Center for Crustal Petrology (NRF Research Niche Area ; Profs. Clemens, Stevens, Kisters. Dr. Moyen). Total budget ca. 10 000 000 R / 5 years.

Grants as Principal Investigator:

- Stellenbosch University Sub-comitee B grant. R 32 000 /annuum, 2007 and 2008.
- Special funding (Vice-rector funds), Stellenbosch University. R 66 000 (2007).
- NRF-CNRS travel grant for French—South African collaboration. R 154 150, 2007 and 2008.

Teaching :

- more than 50 days of field trips (preparation, organisation, etc.).
- first and second years (Classes préparatoires , Clermont Ferrand, France ; DEUG , Nancy, France ; Geology 144 Introduction to Earth sciences , University of Stellenbosch, South Africa) ;
- third and fourth years (french licence and maîtrise ; Geology 314 Igneous petrology , University of Stellenbosch, South Africa) ; "Structural geology" and "geodynamics", Saint-Etienne, France.
- initial formation of future secondary school teachers (agrégation) ; **Courses taught :**
- Igneous petrology
- Regional and structural geology, mapping, cross-sections, etc.

- Geodynamics, orogenic processes, thermal evolution of orogenic belts.
- General geology including paleoclimates, etc.
- Geophysics, structure of the Earth.

Supervision of students :

- 4th year : 10 students (Maîtrise (France), Honours (Stellenbosch), M1 (France));
- 5e année : 8 students (DEA/MSc/M2R);
- Thèse : 4 co-supervised (Stellenbosch, Rennes, Clermont); one "full" starting Sep. 2010.

Books and teaching material :

* co-author of Biology/Geology text books for lycée (secondary school, grades 11 and 12) (Belin publishers, 2000 2001 and 2001 2002) : 6 chapters total, on Earth internal structure and convergent plate boundaries ; * web pages and documents for [Planet-Terre](#);

- Geological trips for french visitors (high school teachers mostly) in the Northern part of South Africa; Feb. 2007, Feb. 2008, Nov. 2008 (2 weeks each time).