

7827CURRICULUM VITAE

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PRESENT POSITION

Assistant professor at Dalhousie University (Department of Earth Sciences) and director of the fission-track lab.

EDUCATION

1995-1999 **Doctoral Thesis (PhD) at Geosciences Rennes, France**
1994-1995 **Master Thesis (DEA) at Géosciences Rennes, France**
1989-1994 **Undergraduate studies, Université des Sciences et Technologies de Nantes, France.**

PROFESSIONAL EXPERIENCE

09.2007 – 12.2008 **Visiting Researcher**, Department of Geological and Environmental Sciences, Stanford University, USA.
09.2006 - 09.2007 **Visiting Assistant Professor**, Department of Geological and Environmental Sciences, Stanford University, USA.
06. 2006 - 09. 2006 **Visiting Researcher**, Swiss Federal Institute of Technology (ETH), Zürich, Switzerland.
2004 - 2008 **Honorary Research Associate**, Dalhousie University, Halifax, Canada.
02.2002 - 12.2008 **Assistant Professor**, University of Lille 1, France - Setup and director of a fission-track laboratory.
09.2000 - 02.2002 **Postdoctoral fellow** at the Potsdam University, Germany
1999-2000 **Research assistant and assistant lecturer**, Géosciences Rennes, France.
1995-1999 **Graduate Lecturer Assistant**, Géosciences Rennes, France.

RESEARCH INTERESTS

Interactions tectonics, climate and erosion; Mountain ranges development; Detrital and in situ thermochronology.

AWARDS

- 2007-2008 **Sabbatical leave (French National Science Foundation, CNRS).**
- 2007-2008 **France-Stanford Center Research Fellowship.**
- 2006-2007 **Fulbright Research Fellowship.**
- 2006-2007 **France-Stanford Center Research Fellowship.**
- 2004 **Travel grants (Comité National Français de Géologie).**
- 2000-2002 **Alexander von Humboldt Foundation Research Fellowship.**
- 1999 **Travel grants (Comité National Français de Géologie).**
- 1995-1998 **Ministère de la Recherche et Technologie doctoral fellowship.**

PUBLICATIONS (since 2006)

- Coutand I.**, B. Carrapa, A. Deeken, A. Schmitt, E. Sobel, and M. Strecker, **2006** : Propagation of orographic barriers along an active range front: Insights from sandstone petrography and detrital apatite fission-track thermochronology in the Intramontane Angastaco basin, NW Argentina. ***Basin Research***, v. 18, p. 1-26, doi : 10.1111/j.1365-2117.2006.00283.x.
- Grujic D., **I. Coutand**, B. Bookhagen, S. Bonnet, A. Blythe, and C. Duncan **2006**: Climatic forcing of the erosion, landscape and tectonics in the Bhutan Himalayas. ***Geology***, v. 34, n° 10, p. 801-804, doi: 10.1130/G22648.1.
- Deeken A., E. Sobel, **I. Coutand**, M. Haschke, U. Riller, and M. Strecker, **2006** : Development of the southern Eastern Cordillera, NW-Argentina, constrained by AFT-thermochronology: from early Cretaceous extension to middle Miocene shortening. ***Tectonics***, v. 25, TC6003, doi:10.1029/2005TC001894.
- Alonso, R. N., B. Carrapa, **I. Coutand**, M. Haschke, G. E. Hilley, E. R. Sobel, M. R. Strecker, and M. H. Trauth (2006), Tectonics, climate, and landscape evolution of the southern central Andes: The Argentine Puna Plateau and adjacent regions between 22 and 28 S lat, in *The Andes: Active Subduction Orogeny*, *Frontiers Earth Sci.*, edited by O. Oncken et al., pp. 265 – 283, Springer, New York.
- Mortimer E., B. Carrapa, **I. Coutand**, L. Schoenbohm, E. Sobel, M.R. Strecker, J. Sosa Gomez : Fragmentation of a foreland basin in response to out-of-sequence basement uplifts and structural reactivation: El Cajon-Campo del Arenal basin, NW Argentina, ***Geological Society of America Bulletin***, v. 119, n° 5/6, p. 637-653, doi: 10.1130/B25884.1.
- Biswas S., **I. Coutand**, D. Grujic, C. Hager, D. Stockli, and B. Grasemann, Exhumation and uplift of the Shillong plateau and its influence on the eastern Himalayas: new constraints from apatite and zircon (U-Th-[Sm])/He and apatite fission track analyses, ***Tectonics***, v. 26, TC6013, doi:10.1029/2007TC002125.