

Biographical sketch: MARIELA CRISTINA PERIGNON

Institute of Arctic and Alpine Research *Phone:* 303-735-5482
Campus Box 450, 4001 Discovery Drive *Fax:* 303-735-8180
University of Colorado, Boulder CO, 80309 *Email:* perignon@colorado.edu

Professional Preparation

B.Sc.	Massachusetts Institute of Tech., Cambridge, MA, USA	Earth Sciences	2007
M.Sc.	Massachusetts Institute of Tech., Cambridge, MA, USA	Earth Sciences	2008
Ph.D.	University of Colorado, Boulder, CO, USA	Geology	2014

Appointments

2015 –	Community Surface Dynamics Modeling System University of Colorado	Postdoctoral Researcher
2011 – 2014	Dept. Geological Sciences / CIRES University of Colorado	Research Assistant
2008 – 2010	Dept. Geological Sciences / CIRES University of Colorado	Teaching Assistant
2007 – 2008	Dept. Earth, Atmospheric, and Planetary Sciences Massachusetts Institute of Technology	Teaching Assistant

Publications

1. Perignon, M.C., 2014. A rolling stone gathers no moss: Modeling the geomorphic impacts of floods in the Southern Rocky Mountain Region, USA, Doctor of Philosophy thesis, University of Colorado, Boulder, CO.
2. Griffin, E.R., Perignon, M.C., Friedman, J.M., and Tucker, G.E., 2014. Effects of woody vegetation on overbank sand transport during a large flood, Rio Puerco, New Mexico, *Geomorphology*, 207, 30–50, DOI:10.1016/j.geomorph.2013.10.025.
3. Perignon, M.C., Tucker, G.E., Griffin, E.R., and Friedman, J.M., 2013. Effects of riparian vegetation on topographic change during a large flood event, Rio Puerco, New Mexico, USA, *Journal of Geophysical Research: Earth Surface*, 118(3), 1193–1209, DOI:10.1002/jgrf.20073.
4. Perignon, M.C., 2008. Sediment wave-induced channel evolution following the 2006 avulsion of the Suncook River in Epsom, New Hampshire. Master of Science thesis, Massachusetts Institute of Technology, Cambridge, MA.

5. Perignon, M.C., 2007. Mechanisms governing avulsions in transient landscapes: Analysis of the May 2006 Suncook River avulsion in Epsom, New Hampshire. Bachelor of Science thesis, Massachusetts Institute of Technology, Cambridge, MA.

Synergistic Activities

1. Journal reviewer for Hydrology and Earth System Sciences.
2. Outreach in scientific computing education as instructor for Software Carpentry and Data Carpentry workshops.
3. Writing and science mentor for minority undergraduate students with NSF Research Experiences in Solid Earth Sciences (RESESS) program.
4. Mentor for K-12 students through CoderDojo and the Boulder Public Library, running programming and electronics workshops. Co-leader of CoderDojo Boulder.
5. Member of Community Surface Dynamics Modeling System Terrestrial Working Group, Education and Knowledge Transfer Working Group, Cyberinformatics and Numerics Working Group, and Hydrology Focus Research Group