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Education:

2012: Program in Innovation and Entrepreneurship (PRIE). Stanford Graduate School of Business
2010: Ph.D. in Planetary Sciences and Certificate in Astrobiology, University of Washington
2006: Josep Comas i Solà International Summer School in Astrobiology, Universidad Internacional Meñendez Pelayo, Spain.
2004: M.Sc. in Aeronautics & Astronautics, University of Washington
2002: B.Sc. in Aerospace Engineering (with highest honors), Florida Institute of Technology

Select Publications:

- **Som S.**, Catling D., Harnmeijer J., Polivka P., Buick R. "Air density 2.7 billion years ago limited to less than twice present levels by fossil raindrop imprints" *Nature* 484, 359-362, 2012.
- **Som S.** and Foing, B. "Thermal degradation of organic material by portable laser Raman spectroscopy" *International Journal of Astrobiology* 11 (3), 177-186, 2012.
- **Som S.** "An International Symbol for the Sustained Exploration of Space" *Space Policy* (26) 140-142, 2010
- **Som S.**, Montgomery D., Greenberg H. "Scaling Relations for Large Martian Valleys" *JGR-Planets*, 114, E02005, 2009.
- Montgomery D., **Som S.**, Schreiber B.C., Jackson M., Gillespie A., Adams J. "Continental-Scale Salt Tectonics on Mars and the Origin of Valles Marineris and Associated Outflow Channels". *GSA Bulletin*, (121) 117-13, 2009.
- **Som S.**, Greenberg H., Montgomery D. "The Mars Orbiter Laser Altimeter Dataset: Limitations and Improvements". *Mars: The International Journal of Mars Science and Exploration*. (4) 14-26, 2008.
- **Som S.**, Kimball J., Hermanson J., Allen J. "Stability and Heat Transfer Characteristics of Unsteady Condensing and Evaporating Films". *International Journal of Heat and Mass Transfer* (50) 1927-1937, 2007.

Experience:

- 2010 – present: NASA Postdoctoral Fellow @ NASA Ames Research Center – Exobiology Branch
- 2009 – present: Founder and Director, Blue Marble Space – Earth System Sciences and Education non-profit.
- 2009 (summer): Visiting Scientist, ESA - ESTEC, Noordwijk, The Netherlands
- 2009: P.I. "Astrobiology Graduate Student Conference at the University of Washington". NAI DFF funded.
- 2004-2010: Research Assistant, Dept. of Earth and Space Sciences, UW.
- 2007-2008: Teaching Assistant: Mineralogy and Petrology, Geobiology, Access to Space (intro to electronics), UW.
- 2007-2008: Assistant Event Manager: Space Generation Congress, Hyderabad, India and Glasgow, Scotland.
- 2007: Instructor: Workshop on Mineralogy and Petrology in Astrobiology, UW.
- 2004: Consultant: Orbital Analysis, Lunar Transportation Systems, Bellevue, WA.
- 2003-2004: Research Assistant: Fluid Dynamics Laboratory, UW.
- 2002-2004: Teaching Assistant: Orbital Mechanics, Spacecraft Design, Introduction to Air and Space Vehicles, UW.

Honors and Awards:

- 2009: David A. Johnston Memorial Fellowship for Exceptional Research, UW
- 2008: Robert G. and Nadine E. Bassett Field Study Fellowship, UW
- 2006: Jim and Lin Burke Outstanding Staff Award, Space Generation Congress, Valencia, Spain.
- 2006: 3rd place, poster competition, Astrobiology Science Conference, Washington, D.C.
- 2005: 1st place, Graduate Division, AIAA region VI student conference, San Luis Obispo, CA.
- 2001: Instrument, Systems and Automation Foundation Scholarship.
- 2000: Astronaut Mike Collins Space Exploration Leadership Scholarship (delivered by the Florida Space Grant Consortium).

Field Experience:

- 2011: Drilling into serpentine rocks. Coast Range ophiolites, USA.
- 2010: Astrobiology Field Course. Mojave Desert / Death Valley, USA.
- 2009: Endeavour-Axial Geochemical and Ecological Research (EAGER), R/V Atlantis – DSV Alvin (dive scientist).
- 2008: Evaporites and Salts Field Expedition, Sicily, Italy.
- 2007: New Millennium Observatory (NeMO), R/V Atlantis – ROV Jason
- 2006: UW Geology mapping field course.
- 2005: Astrobiology Field Expedition. Pilbara Craton, Western Australia.

Interests:

Private pilot, SCUBA open water, travel to sites of ancient civilizations and of unique geology, small mechanics, cycling.