Upcoming PUGS Events
- Geosciences JP Oral Presentations
  January 13, 2014  8 am - 5 pm
  Guyot Hall

Upcoming Talks in the Geosciences Department
- Andrew Babbin (Princeton University)
  January 9, 2014  12:30 - 1:30 pm
  Guyot Hall Room 220
- Robert Aller (Stony Brook University)
  February 4, 2014
  Guyot Hall
- Nicholas van der Elst (LDEO)
  February 7, 2014
  Guyot Hall

Princeton Geosciences in Recent News
- Jorge Sarmiento, Daniel Sigman, and Frederik Simons are among the research scientists highlighted in the annual “Research at Princeton” magazine
- Jeroen Tromp granted 2014 INCITE Leadership Award for 2nd consecutive year
- History Channel features Gerta Keller on evidence of what caused the extinction of dinosaurs

Faculty Feature: Jorge Sarmiento

**General Research Area:** ocean biogeochemistry, the global carbon cycle & their responses to climate

**Classes:** GEO202: Ocean, Atmosphere & Climate, GEO578: Introduction to Chemical Oceanography

**Current Research:** the role of the Southern Ocean as a major carbon and heat sink & nutrient supply for biological production in low latitudes; the impact of global warming on primary production & fisheries

**Life experience that started your path in a geosciences career:** a 1971 summer field geology course in Colorado, taught by professors who never mentioned plate tectonics, and my subsequent discovery of it

**Favorite research experience:** the early 1990s breakthrough development of an ecosystem model by myself and my colleagues that could be used to predict the response of ocean biology to global warming

**Favorite aspect of your job:** exciting new ideas & being surrounded by great students, post-docs, and colleagues to generate and share them with

**Best piece of advice for students:** make the world a better place!

Undergrad Feature: Alan Southworth

**Geoscience track:** Ocean, Atmosphere & Climate

**Senior Thesis topic:** assessing the limitations of and improving upon current-day plant respiration models by taking into account light dependency of respiration

**Favorite Princeton geosciences class:** GEO366: Scientific Basis & Policy Implications of Climate Change with Professor Oppenheimer

**Favorite summer internship:** PEI’s The Food Project: Sustainable Urban Agriculture outside Boston, where I led youth in fieldwork & ran farmer’s markets in inner city communities

**Favorite geoscience-sponsored lecture:** Susan Solomon’s “Surprises in Radiative Processes: What Chemicals are Changing our Recent Climate”

**Favorite aspect of the Geosciences department:** the small size of the department, the closeness of all the members of the department

**Possible career pursuits after Princeton:** energy efficiency consulting, green building system design, smart grid technologies

**Extracurricular activities and hobbies:** singing with the Princeton Glee Club and the Nassoons, basketball, crosswords, piano

Contact PUGS President Charlotte Conner ’14 (ceconner@princeton.edu)
 or Publicity Chair Kathleen Ryan ’14 (kryan@princeton.edu) if you want to get involved with PUGS or get added to the PUGS email list!

WHAT IS PUGS? The Princeton Undergraduate Geosciences Society (PUGS) is a newly-formed student organization (2011) dedicated to promoting an appreciation for & awareness of Geology and Earth Sciences at Princeton University. We aim to foster a sense of community amongst undergrads interested in the Geosciences by organizing field trips to local museums & field localities; providing information about academic & professional career opportunities within the field; and creating venues for discussion of Earth Science through study breaks, majors dinners & speaker events.