

Faculty - Dara Entekhabi

Faculty

[Lecturers](#)
[Researchers](#)
[Postdocs](#)
[Staff](#)

 [Printer-friendly version](#)



Dara Entekhabi

Bacardi and Stockholm Water Foundations
 Professor

Department of Civil and Environmental
 Engineering

and Department of Earth, Atmospheric and
 Planetary Sciences

MIT, Room 48-216C
 15 Vassar Street
 Cambridge, MA, 02139 USA

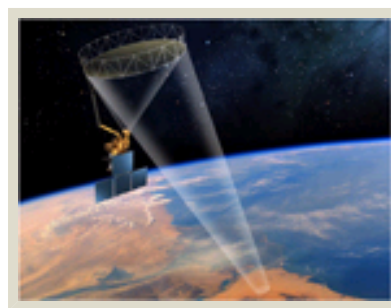
Telephone: 617.253.9698

Email: darae@mit.edu

Research Website: <http://watercycle.mit.edu>

Assistant: [James M. Long](#) / jmlong@mit.edu

Science Team Leader, [NASA Soil Moisture
 Active and Passive \(SMAP\)](#) satellite mission
 Launch: January 29, 2015



Education

- B.A. (1983) Clark University, Worcester, Mass.
- M.A. (1984), M.A. (1987) Clark University
- Ph.D. (1990) MIT

Research Interests

- Earth remote sensing
- Land-atmosphere interaction and boundary layer processes
- Dynamics of winter-time extra-tropical atmosphere and its predictability
- Data Assimilation: Techniques development and applications
- Land evaporation retrieval using multi-platform remotely sensed data
- Sensor network model-integration closed-loop control
- Surface water-groundwater interaction and hillslope hydrology

Teaching Interests

- [1.70J/12.320J](#) Introduction to Hydrology (Undergraduate)
- [1.106](#) Environmental Fluid Transport Processes and Hydrology Laboratory (Undergraduate)

Awards and Honors

- National Science Foundation (NSF), Presidential Young Investigator (1991)
- Istituto Veneto di Scienze, Lettere ed Arti, Cav. Arturo Parisatti Prize (1994)
- American Geophysical Union (AGU), Macelwane Young Scientist Medal (1996)
- American Geophysical Union (AGU), Fellow (1996)
- American Meteorological Society (AMS), Fellow (2003)
- Institute of Electrical and Electronics Engineers (IEEE), Senior Member (2004)
- American Meteorological Society (AMS), Horton Lecture (2012)

Selected Publications

[Curriculum vitae \(PDF file\) >>](#)

Libraries

- [Course Notes on Data Assimilation](#)
- [Agenda for Land Surface Hydrology Research](#)

Current Service

- IEEE *Geosc. Remote Sens. 2012*, Technical Program Committee
- NRC *Opportunities in the Hydrologic Sciences*, Committee Member



Massachusetts Institute of Technology Department of Civil and Environmental Engineering
77 Massachusetts Avenue, Room 1-290 ■ Cambridge, MA 02139-4307 ■ (617) 253-7101

