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Education	Degree	Date	Department
Clark University	B.A.	1983	School of Geography
Clark University	M.A.	1984	School of Geography
Clark University	M.A.	1987	School of Geography
M.I.T.	Ph.D.	1990	Department of Civil Engineering

Experience	Position	Beginning	Ending
M.I.T.	Professor	July 2000	Present
M.I.T.	Associate Professor	July 1995	July 2000
M.I.T.	Assistant Professor	Sept. 1991	June 1995
M.I.T.	Post-Doctoral Associate	Sept. 1989	Aug. 1990
University of Arizona	Assistant Professor	Sept. 1990	Aug. 1991

Awards	Date
National Science Foundation (NSF), Presidential Young Investigator	1991
MIT Gilbert Winslow Career Development Chair	1994
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
Bacardi and Stockholm Water Foundations Chair Professor, M.I.T.	2004
American Meteorological Society (AMS), Horton Lecture	2011

Professional Service	Beginning	Ending
AGU <i>Water Resources Research</i> , Associate Editor	Jan 1993	Dec 1996
NRC <i>Nat. Weather Service Modernization Cmte.</i> , Member	Jan 1994	Jan 1999
IEEE <i>Geosc. Remote Sens. 2004</i> Technical Program Committee	Feb 2004	Jul 2004
<i>Advances in Water Resources</i> Editorial Board, Member	Sep 1994	Oct 2000
AGU <i>Reviews of Geophysics</i> , Associate Editor	Nov 1994	Jun 1997
AMS <i>Hydrology Committee</i> , Committee Chair	Jan 1995	Jan 1997
AMS <i>12th Conference on Hydrology</i> , Organizer	Jan 1995	Jan 1995
AMS <i>13th Conference on Hydrology</i> , Organizer	Feb 1997	Feb 1997
AGU <i>Water Res. Research</i> Editor Search Committee, Member	Mar 2000	Jul 2000
AMS <i>Journal of Hydrometeorology</i> , Editor	Jan 1999	Dec 2002
NRC <i>Committee on the Hydrologic Sciences</i> , Chair	Feb 1999	Feb 2002
NRC <i>Space Studies Board, Earth Obs.</i> Committee Member	Jan 2005	Dec 2007
NRC <i>Water Science and Technology Board</i> , Member	Jul 2004	Jun 2007
IEEE <i>Geosc. Remote Sens. 2008 Symposium</i> , Technical Co-Chair	Jun 2004	Aug 2008
University College Cork Department External Committee, Member	Jan 2004	Aug 2009
AGU <i>Water Resources Research</i> , Associate Editor	Sep 2006	Aug 2008
NRC <i>Water Implications of Biofuels Production</i> , Committee Member	Apr 2007	Dec 2007
IEEE <i>Geosc. Remote Sens. 2009</i> , Technical Program Committee	Feb 2009	Jul 2009
IEEE <i>Geosc. Remote Sens. 2010</i> , Technical Program Committee	Feb 2010	Jul 2010
IEEE <i>Geosc. Remote Sens. 2011</i> , Technical Program Committee	Feb 2011	Jul 2011
IEEE <i>Geosc. Remote Sens. 2012</i> , Technical Program Committee	Feb 2012	Jul 2012
NRC <i>Opportunities in the Hydrologic Sciences</i> , Committee Member	Jan 2010	Oct 2011

Major New Products, Designs, or Systems:

HYDROS — *The Hydrosphere State satellite mission*, NASA Earth System Science Pathfinder program, Principal Investigator 2000-2005.

SMAP - *Soil Moisture Active/Passive satellite mission*, NASA, Phase B, Scheduled October 2014 launch, Science Team Leader, 2007-present.

Papers in Refereed Journals (N=134 , h-Index= 34)

- Nicholson, S. E. and D. Entekhabi, 1986: The quasi-periodic behavior of rainfall variability in Africa and its relationship to the Southern Oscillation, *Archives for Meteorology, Geophysics, and Bioclimatology*, Series A., 34, 311-348.
- Nicholson, S. E. and D. Entekhabi, 1987: Rainfall variability in Equatorial and Southern Africa: Relationship with sea surface temperatures along the Southwestern coast of Africa, *Journal of Climate and Applied Meteorology*, 26(5), 561-578.
- Entekhabi, D., I. Rodriguez-Iturbe, and P. S. Eagleson, 1989: Probabilistic representation of the temporal rainfall process by a modified Neyman-Scott rectangular pulses model: Parameter estimation and validation, *Water Resources Research*, 25(2), 295-302.
- Entekhabi, D. and P. S. Eagleson, 1989: Land surface hydrology parameterization for atmospheric General Circulation models including subgrid scale spatial variability, *Journal of Climate*, 2(8), 816-831.
- Islam, S., D. Entekhabi, R. L. Bras and I. Rodriguez-Iturbe, 1990: Parameter estimation and sensitivity analysis of the modified Bartlett- Lewis rectangular pulses model, *Journal of Geophysical Research*, 95 (D3), 2093-2100.
- Entekhabi, D. and P. S. Eagleson, 1991: Climate and the equilibrium state of land surface hydrology parameterizations, *Surveys in Geophysics*, 12, 205-220.
- Rodriguez-Iturbe, I., D. Entekhabi and R. L. Bras, 1991: Nonlinear dynamics of soil moisture at climate scales, 1. Stochastic analysis, *Water Resources Research*, 27(8), 1899-1906.
- Outgrowth of supervised student research
- Rodriguez-Iturbe, I., D. Entekhabi, J.-S. Lee and R. L. Bras, 1991: Nonlinear dynamics of soil moisture at climate scales, 2. Chaotic analysis, *Water Resources Research*, 1907-1916.
- Entekhabi, D., I. Rodriguez-Iturbe and R. L. Bras, 1992: Variability in large-scale water balance with landsurface-atmosphere interaction, *Journal of Climate*, 5(8), 798-813.
- Cabral, M. C., L. Garrote, R. L. Bras and D. Entekhabi, 1992: Kinematic infiltration in vertically homogeneous anisotropic and sloped soils, *Advances in Water Resources*, 15, 311-324.
- Johnson, K. D., D. Entekhabi and P. S. Eagleson, 1993: The implementation and validation of improved landsurface hydrology in an atmospheric general circulation model, *Journal of Climate*, 6(6), 1009 -1026.
- Brubaker, K. L., D. Entekhabi and P. S. Eagleson, 1993: Estimation of continental precipitation recycling, *Journal of Climate*, 6(6), 1077- 1089.
- Entekhabi, D., 1994: A simple model of hydrologic cycle and climate: 1. Model construct and sensitivity to landsurface boundary, *Advances in Water Resources*, 17, 79-91.
- Entekhabi, D., K. L. Brubaker and P. S. Eagleson, 1994: A simple model of hydrologic cycle and climate: 2. Observational evidence for the parameterization of atmospheric heat and moisture divergence, *Advances in Water Resources*, 17, 93-100.
- Entekhabi, D. and I. Rodriguez-Iturbe, 1994: An analytic framework for the characterization of the space-time variability of soil moisture, *Advances in Water Resources*, 17, 25-45.
- Entekhabi, D., H. Nakamura and E. G. Njoku, 1994: Solving the inverse-problem for soil moisture and temperature profiles by sequential assimilation of multifrequency remotely sensed observations, *IEEE Transactions on Geoscience and Remote Sensing*, 32(2), 438-448.

- Gong, G., D. Entekhabi and G. D. Salvucci, 1994: Regional and seasonal estimates of spatial rainstorm coverage based on station precipitation observations, *Journal of Climate*, 7(10), 1495-1505.
- Brubaker, K. L., D. Entekhabi and P. S. Eagleson, 1994: Atmospheric water vapor transport and continental hydrology over the Americas, *Journal of Hydrology*, 155, 407-428.
- Salvucci, G. D. and D. Entekhabi, 1994: Equivalent steady soil moisture profile and time compression approximation in water balance modeling, *Water Resources Research*, 30(10), 2737-2750.
- Salvucci, G. D. and D. Entekhabi, 1994: Comparison of the Eagleson statistical-dynamical water balance model with numerical simulations, *Water Resources Research*, 30(10), 2751-2758.
- Salvucci, G. D. and D. Entekhabi, 1994: Explicit expressions for Green- Ampt (delta function diffusivity) infiltration rate and cumulative storage, *Water Resources Research*, 30(9), 2661-2663.
- Brubaker K. L. and D. Entekhabi, 1995: An analytic approach to modeling land-atmosphere interaction: 1. Construct and equilibrium behavior, *Water Resources Research*, 31(3), 619-632.
- Entekhabi, D. and K. L. Brubaker, 1995: An analytic approach to modeling land-atmosphere interaction: 2. Stochastic extension, *Water Resources Research*, 31(3), 633-644.
- Salvucci, G. D. and D. Entekhabi, 1995: Hillslope and climatic controls on hydrologic fluxes, *Water Resources Research*, 31(7), 1725-1740.
- Entekhabi, D., 1995: Recent advances in land-atmosphere interaction research, *Reviews of Geophysics*, 995-1003.
- Scott, R., R. Koster, D. Entekhabi and M. Suarez, 1995: Effect of canopy interception reservoir on hydrologic persistence in a general circulation model, *Journal of Climate*, 8(7), 1917-1922.
- Salvucci, G. D. and D. Entekhabi, 1995: Ponded infiltration into soils bounded by a water table, *Water Resources Research*, 31(11), 2751- 2759.
- Entekhabi, D., I. Rodriguez-Iturbe and F. Castelli, 1995: Mutual interaction of soil moisture state and atmospheric processes, *Journal of Hydrology*, 184(1), 3-18.
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- Risbey, J. S. and D. Entekhabi, 1996: Observed Sacramento basin streamflow response to precipitation and temperature changes and its relevance to climate impact studies, *Journal of Hydrology*, 184, 209-223.
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- Wang, J., R. L. Bras and D. Entekhabi, 1997: Structures in fluctuations of large-scale soil moisture climate due to external random forcing and internal feedbacks, *Journal of Stochastic Hydrology and Hydraulics*, 11, 95-114.
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- Liu, Z., J. B. Valdes and D. Entekhabi, 1998: Merging and error analysis of regional hydrometeorology anomaly forecasts conditioned on climate precursors, *Water Resources Research*, 34(8), 1959-1970.
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- Cohen, J. and D. Entekhabi, 1998: Eurasian snow cover variability and Northern Hemisphere climate predictability, *Geophysical Research Letters*, 26(3), 345-348.
- Kim, C. P., G. D. Salvucci, and D. Entekhabi, 1999: Groundwater surface water interaction and the climatic spatial patterns of hillslope hydrologic response, *Hydrology and Earth Systems Science*, 3(3), 375- 384.
- Entekhabi, D. G. R. Asrar, A. K. Betts, K. J. Beven, R. L. Bras, C. J. Duffy, T. Dunne, R. D. Koster, D. P. Lettenmaier, D. B. McLaughlin, W. J. Shuttleworth, M. T. van Genuchten, M.-Y. Wei, E. F. Wood, 1999: An Agenda for land-surface hydrology research and a call for the second International Hydrological Decade, *Bulletin of the American Meteorological Society*, 80(10), 2043-2058.
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