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RESEARCH Decadal variability and predictability, air-sea interaction, climate change,
INTERESTS stochastic modeling, arctic-midlatitude interaction, aquaplanet simulations,
data analysis.

EDUCATION **George Mason University, USA.**

Ph.D., [Climate Dynamics](#), 2010-2017

- Thesis Topic: Decadal predictability in climate models with and without interactive ocean dynamics
- Advisor: [Timothy M. DelSole, Ph.D](#)

University of Allahabad, India.

M.Sc., Physics, 2000

- Major: Solid State Physics

B.Sc., 1997

- Majors: Physics, Chemistry, Mathematics

RESEARCH **Graduate Research Assistant** September 2010 to May 2017
EXPERIENCE Department of AOES,
George Mason University, Fairfax, VA, USA.
Supervisor: [Timothy DelSole, Ph.D](#)

AWARDS AND **Student Awards** — George Mason University, Fairfax, VA, USA
SCHOLARSHIP • Presidential Scholarship September 2010 - June 2013

Travel Awards

- Dynamical Core Model Intercomparison Project (DCMIP) workshop, NCAR, Boulder, Colorado, USA. June 5-18, 2016
- Targeted Training Activity: ENSO Monsoon in the Current and Future Climate, ICTP, Italy. July30 - August 10, 2012
- Targeted Training Activity: Statistical Methods in Seasonal Prediction, ICTP, Italy. August 2-13, 2010

REFEREED 1. [Srivastava, A., & DelSole, T. \(2017\). Decadal predictability without
JOURNAL ocean dynamics. Proceedings of the National Academy of Sciences,
PUBLICATIONS 114\(9\), 2177-2182](#)

2. Srivastava, Abhishekh K., and Timothy DelSole. Robust Forced Response in South Asian Summer Monsoon in a Future Climate. *Journal of Climate* 27.20 (2014): 7849-7860

ORAL TALK

- “Can we forecast the next couple of years w/o Ocean circulation?”
GMU Earth Week’s Lightning Talks!, George Mason Univeristy USA.
April 20, 2016
- “Monsoon in a Changing Climate”
Targeted Training Activity: ENSO Monsoon in the Current and Future
Climate, ICTP, Italy. August 3, 2012

POSTER
PRESENTATION

- **“Decadal Predictability without Ocean Dynamics”** , AGU Fall Meeting, San Francisco, CA, USA, December 13, 2016.
- **“Decadal Predictability without Ocean Dynamics”** , Dynamical Core Model Intercomparison Project (DCMIP) workshop, NCAR, Boulder, Colorado, USA, June 8,2016

TECHNICAL
SKILLS

- Extensive experience in analyzing multimodel datasets such as CMIP3 and CMIP5 data sets.
- Extensive use of multivariate statistical techniques such as ANOVA, canonical correlation analysis, discriminant analysis, optimally persistent pattern, average predictability time etc..
- Experience in building intermediate complexity stochastic model of the atmosphere, represented by full primitive equations, coupled with slab ocean mixed layer model.
- Experience in setting up and running NCAR CESM aquaplanet slab-ocean model with CAM4 physics.
- Extensive knowledge of computing and graphical skills such as R, Matlab, and GrADS.
- Working knowledge of Fortran, Linux, shell scripting, NCL.
- Experience of writing projects.

SEMINAR/
CONFERENCE/
WORKSHOP

- AGU Fall Meeting, San Francisco, CA. December 12-16, 2016
- Model Hierarchies Workshop, Princeton University, New Jersey, USA. November 2-4,2016
- Dynamical Core Model Intercomparison Project (DCMIP) workshop, NCAR, Boulder, Colorado, USA. June 5-18, 2016
- Earth Week’s Lightning Talks!, George Mason University, USA. April 20, 2016
- Shukla Symposium on Predictability in the Midst of Chaos, Rockville, Maryland, USA. April 23-24, 2015
- Workshop on the Nature of MJO, George Mason University, USA. June 10-11, 2013
- Targeted Training Activity: ENSO Monsoon in the Current and Future Climate, ICTP, Italy. July30 - August 10, 2012

- NCEP CFSv2 Evaluation Workshop, College Park, Maryland, USA. April 30-May 1, 2012
- Targeted Training Activity: Statistical Methods in Seasonal Prediction, ICTP, Italy. August 2-13, 2010

TEACHING EXPERIENCE Lecturer January 2009 - June 2010
 Course - Engineering Physics
 United College of Engineering and Research, Allahabad, India.

REFERENCES Timothy DelSole
 Professor, Climate Dynamics Phone: 703-993-5715
 Department of AOES E-mail: tdelsole@gmu.edu
 112 Research Hall, Mail Stop 2B3
 George Mason University
 4400 University Drive
 Fairfax, VA 22030 USA

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 Distinguished University Professor Phone: 703-993-1983
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 George Mason University
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Edwin K. Schneider
 University Professor and Department Chair Phone: 703-993-5364
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