Padmanabhan Seshaiyer, Ph.D. **Phone: (806) 239-8738**
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EDUCATION
1998 Ph.D., Applied Mathematics, University of Maryland, Baltimore County, Maryland, USA.
1994 MSc (Honors), Mathematics, Birla Institute of Technology & Science, Pilani, India.
1994 BE (Honors), Electrical & Electronics Engineering, Birla Institute of Technology & Science, Pilani, India.

POSITIONS HELD
Leadership Positions
- 2017-Current, Associate Dean for Academic Affairs, College of Science, GMU
- 2015-2017, Program Director, Computational Mathematics, National Science Foundation
- 2013-Current, Director, STEM Accelerator Program, College of Sciences, GMU
- 2010-Current, Founding Director, COMPLETE (Center for Outreach in Mathematics Professional Learning and Educational Technology), GMU

Faculty Positions
- 2012-Current, Professor (Tenured), Mathematical Sciences, George Mason University.
- 2007-2012, Associate Professor (Tenured), Mathematical Sciences, George Mason University.
- 2005-2007, Associate Professor (Tenured), Mathematics and Statistics, Texas Tech University.
- 2000-2005, Assistant Professor (Tenure-Track), Mathematics & Statistics, Texas Tech Univ.
- 1998-2000, Research Associate, Biomedical Engineering, Texas A&M University.

Adjunct/Affiliate Professorship and Research Positions
- 2017-Current, Adjunct Professor, Simon A Levin Mathematical, Computational and Modeling Sciences Center and College of Liberal Arts and Sciences, Arizona State University.
- 2017-Current, Adjunct Professor, Educational Sciences, Vrije Universiteit Brussels, Belgium
- 2015-Current, Adjunct Professor, Advanced Teacher Training Institute, Suriname, Paramaribo
- 2011-Current, Adjunct Professor, School of Computation, Communication, Science and Engineering, Nelson Mandela African Institute for Science and Technology, Arusha, Tanzania.
- 2008-Current, Affiliate Faculty, College of Education and Human Development, GMU
- 2014-Current, Adjunct Faculty, Bioengineering, Volgenau School of Engineering, GMU

RESEARCH INTERESTS
- Mathematical Modeling, Computational Thinking, Computational Mathematics, Computational Biomechanics, STEM/STEAM Education, UN Sustainable Development Goals, Entrepreneurship

SUMMARY OF CONTRIBUTIONS/ACCOMPLISHMENTS
- Mentored research projects for over 180 students at all levels
- Published over 115 peer-reviewed journal articles and proceedings
- Authored two graduate texts (one in Numerical Analysis and another on modeling for teachers)
- Acquired over $12 Million in grant funding in the last fifteen years (both state and federal) to promote multidisciplinary research, training and mentoring programs for students, teachers and faculty
- Directed over 25 new initiatives to accelerate STEM learning in formal and informal environments
- Developed global partnerships with over 15 countries for student and faculty exchange programs
- Led multiple State-wide, Federal and International consortiums in Teacher Professional Development
- Won over 25 individual teaching, mentoring as well as program awards
- Delivered over 275 invited talks both nationally and internationally
- Selected as a member of several prestigious organizations including US Commission on Mathematics Instruction by the National Academy of Sciences; Council on Undergraduate Research (CUR)
- Selected as one of the "Figures that Matter" for contributions to Academia and Society and was awarded an honorary doctorate by Vrije Universiteit Brussel (2019)
- More details about my work can be found at: http://math.gmu.edu/~pseshaiy/

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