

Michael K. (Scott) Gordon, Ph.D.

A. Professional Preparation

INSTITUTION	DISCIPLINE	DEGREE	YEAR
Duke University	Mathematics	B.S.	1987
Duke University	Mathematics	M.A.	1989
Duke University	Mathematics	Ph.D.	1993

B. Appointments

PERIOD	POSITION	INSTITUTION
2011–Present	Associate Dean, COSM	University of West Georgia, Carrollton, GA
2008–Present	Professor	University of West Georgia, Carrollton, GA
2001–2008	Associate Professor	University of West Georgia, Carrollton, GA
1996–2001	Assistant Professor	University of West Georgia, Carrollton, GA
1993–1996	Visiting Assistant Professor	North Carolina State University, Raleigh, NC
1988–1993	Graduate Instructor	Duke University, Durham, NC

C. Publications

1. **Gordon, M.**, “Perturbed Scale-Invariant Initial Value Problems in One-Dimensional Dynamic Elastoplasticity”, *SIAM Journal of Mathematical Analysis*, **26**, no. 6, (1995) 1564–1587.
2. Shearer, M., Schaeffer, D., **Gordon, M.**, “Plane Shear Waves in a Fully Saturated Granular Material with Velocity and Stress Controlled Boundary Conditions”, *International Journal of Nonlinear Mechanics*, **32**, no. 3, (1997) 489–503.
3. **Gordon, M.**, Garaizar, F.X., “Wave Speeds for an Elastoplastic Model for Two-Dimensional Deformations with a Nonassociative Flow Rule”, *Quarterly of Applied Mathematics*, **52**, no. 2, (1999) 527–554.
4. **Gordon, M.**, “A Free Boundary Problem for a Hypoplastic Model of Plane Shear Waves in a Fully Saturated Granular Material”, *SIAM Journal of Mathematical Analysis*, **34**, no. 3, (2002) 1564–1587.
5. **Gordon, S.**, “Optimizing Distribution of Power During a Cycling Time Trial”, *Sports Engineering*, **6**, no. 4, (2005) 221–234.
Gordon, M., “Nonuniformity of Deformation Preceding Shear-Band Formation in a Two-Dimensional Model for Granular Flow”, *Communications on Pure and Applied Analysis*, **7**, no. 6, (2008) 1361–1374.

D. Professional Activities

- (i) Referee for Sports Engineering
- (ii) Reviewer for Math Reviews
- (iii) Referee for International Journal of Mathematics and Mathematical Sciences

E. Collaborators and Other Affiliations

(i) Collaborations – collaborated with the following individuals on different research projects:

Dr. Michael Shearer, North Carolina State University, Raleigh, NC

Dr. David Schaeffer, Duke University, Durham, NC

Dr. Xabier Garaizar (Deceased)

(ii) Graduate and postdoctoral advisors of Dr. Scott Gordon:

Postdoctoral advisor – Dr. Michael Shearer, Professor of Mathematics, North Carolina State University, Raleigh, NC

Graduate advisor – Dr. David Schaeffer, Professor of Mathematics, Duke University, Durham, NC