

## Miklós Bergou

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### RESEARCH INTERESTS

Computer graphics, scientific computing, physical simulation, computer animation, physics, mathematics.

### EDUCATION

**Columbia University**, New York, NY  
• PhD Computer Science (in progress), MS Computer Science (February 2007)  
• Advisor: Prof. Eitan Grinspun  
• GPA: 4.21  
**Carnegie Mellon University**, Pittsburgh, PA  
• BS Computer Science, BS Physics, Minor in Mathematics (May 2005)  
• GPA: 4.0

### PUBLICATIONS

M. Bergou, M. Wardetzky, S. Robinson, B. Audoly, E. Grinspun, *Discrete Elastic Rods*, SIGGRAPH (2008).  
M. Bergou, S. Mathur, M. Wardetzky, E. Grinspun, *TRACKS: Toward Directable Thin Shells*, SIGGRAPH (2007).  
M. Wardetzky, M. Bergou, D. Harmon, D. Zorin, E. Grinspun, *Discrete Quadratic Curvature Energies*, Computer Aided Geometric Design (2007).  
M. Bergou, M. Wardetzky, D. Harmon, D. Zorin, E. Grinspun, *Discrete Quadratic Curvature Energies*, Discrete Differential Geometry: An Applied Introduction, SIGGRAPH course notes (2006).  
M. Bergou, M. Wardetzky, D. Harmon, D. Zorin, E. Grinspun, *A Quadratic Bending Model for Inextensible Surfaces*, Symposium on Geometry Processing (2006).

### AWARDS

Intel PhD Fellowship Award, Intel (2009)  
Autodesk Research Fellowship, Autodesk (2008)  
Presidential Distinguished Fellowship, Columbia University (2005-2009)  
Samuel Horelick Scholarship, Carnegie Mellon University (Fall 2004)  
Andrew Carnegie Society Scholar, Carnegie Mellon University (Fall 2004)  
Boeing Leadership Scholarship, Carnegie Mellon University (Fall 2003)

### HONORS

Sigma Pi Sigma Honor Society, Carnegie Mellon University (Spring 2005)  
Senior Leader Recognition, Carnegie Mellon University (Spring 2005)  
Phi Beta Kappa Honor Society, Carnegie Mellon University (Fall 2004)  
Phi Kappa Phi Honor Society, Carnegie Mellon University (Fall 2003)  
National Society of Collegiate Scholars, Carnegie Mellon University (Spring 2002)  
Dean's List, Carnegie Mellon University School of Computer Science (2001-2005)

### PROFESSIONAL EXPERIENCE

**Reviewer**, SIGGRAPH 2007-8, Symposium on Geometry Processing 2006, Symposium on Computer Animation 2006  
**Researcher**, ALADDIN Project, Carnegie Mellon University (Summer 2004)  
• worked with Prof. Gary Miller on simulating blood cell flow through vessels  
**Computer Lab Assistant**, Carnegie Mellon University (Fall 2002 – Spring 2003)

### TEACHING EXPERIENCE

**Lecturer**, Columbia University (Spring 2009)  
• one of three primary lecturers for Physically Based Computer Animation  
• collaborated in designing the course, including lectures, assignments, and exams  
**Guest lecturer**, COMS3202 Discrete Mathematics, Columbia University (Spring 2006)  
**Teaching Assistant**, Carnegie Mellon University (Fall 2003 – Spring 2005)  
• taught recitations, held office hours, and designed projects in computer graphics, principles of programming, data structures and algorithms

### LANGUAGES

Fluent in English and Hungarian, some knowledge of Spanish