
Caner Kazanci

Carnegie Mellon University
Department of Mathematical Sciences
6113 Wean Hall
Pittsburgh, PA 15213

Phone: (412) 268-3187
Fax: (412) 268-6380
ckazanci@andrew.cmu.edu
www.math.cmu.edu/~ckazanci

EDUCATION	<p>Ph.D., Mathematical Sciences, June 2005 (expected) Carnegie Mellon University, Pittsburgh, PA Advisor: Shlomo Ta'asan</p> <p>M.S., Mathematical Sciences, December 2000 Carnegie Mellon University, Pittsburgh, PA</p> <p>B.S., Mathematics, May 1999 Bilkent University, Ankara, Turkey</p>
THESIS TITLE	“Statistical Analysis and Reverse Engineering of Large Biochemical Networks”
RESEARCH INTERESTS	Mathematical Biology, Dynamical Systems, Systems Biology, Numerical Analysis
CONFERENCES ATTENDED	<p>International Conference for Mathematics in Biology and Medicine (SMB), July 25-28, 2004, Ann Arbor, MI</p> <p>International Conference for Complexity in Acute Illness (ICCAI), November 7-9, 2004 Pittsburgh, PA</p> <p>AMS Sectional Meeting, November 6-7, 2004, Pittsburgh, PA</p>
PUBLICATIONS	<p><i>Statistical Properties of Large Biochemical Networks</i>, C. Kazanci, S. Ta'asan. (Submitted to Physical Review Letters (PRL))</p> <p><i>Reverse Engineering of Large Reaction Networks</i>, C. Kazanci, S. Ta'asan. (In progress)</p>
RELEVANT COURSEWORK	Mathematical Biology, Computational Neuroscience, A Systems Approach to Inflammation, Partial Differential Equations, Finite Element Methods, Finite Difference Methods, Graph Theory, Discrete Mathematics, Methods of Optimization, Measure Theory, Ordinary Differential Equations, Numerical Analysis, Parallel and Scientific Computing, Functional Analysis, Real Analysis.
HONORS AND AWARDS	<p>Bronze Medal, 36th International Mathematical Olympiad (IMO), Canada, 1995</p> <p>Bronze Medal, Middle East Mathematics Olympiad (ECO), Iran, 1994</p> <p>Full Scholarship for undergraduate study, Bilkent University, Turkey, 1995-1999</p> <p>TUBITAK (National Science Foundation of Turkey) scholarship for undergraduate study, Turkey, 1995-1999</p>
COMPUTER SKILLS	C\C++, Matlab, XPP, Netlogo, Python, L ^A T _E X, Pascal, Linux, MS Windows, Office.

TEACHING
EXPERIENCE

Instructor, *Carnegie Mellon University*, 2000 - 2004

Full responsibility for lectures, syllabi, exams, quizzes and homeworks for:

- *Calculus I*, 2000
- *Differential Equations*, 2001
- *Differential and Integral Calculus*, 2002
- *Differential Equations*, 2003
- *AP/EA Calculus*, 2004

Teaching Assistant, *Carnegie Mellon University* 1999 - 2004 (11 semesters)

Courses included: *Differential Equations*, *Calculus in three dimensions*, *Calculus I*, *Calculus II*, *Differential and Integral Calculus*, *Precalculus*.

Teaching Assistant, *TUBITAK (National Science Foundation of Turkey)* 1996 - 1999

Taught Analysis, Combinatorics, Number Theory and Geometry to International Mathematical Olympiad (IMO) team members.

REFERENCES

Prof. Shlomo Ta'asan
Department of Mathematical Sciences
Carnegie Mellon University
Pittsburgh, PA 15213
(412) 268-5582
shlomo@andrew.cmu.edu

Prof. Bard Ermentrout
Department of Mathematics
University of Pittsburgh
Pittsburgh, PA 15260
(412) 624-8324
bard@pitt.edu

Prof. David Kinderlehrer
Department of Mathematical Sciences
Carnegie Mellon University
Pittsburgh, PA 15213
(412) 268-5729
davidk@andrew.cmu.edu

Prof. Deborah Brandon (teaching letter)
Department of Mathematical Sciences
Carnegie Mellon University
Pittsburgh, PA 15213
(412) 268-2552
brandon@andrew.cmu.edu