

CRISTIAN GURITA

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SUMMARY

Over 10 years experience in pure and applied mathematics and computer science, with a Ph.D. in Partial Differential Equations, to be completed in May 2001.

OBJECTIVE

Maximum use of my extensive experience, solid mathematics knowledge and culturally diverse background in a challenging teaching/research position.

EMPLOYMENT

09/93-Present: Temple University, Philadelphia; Teaching Assistant.

Taught the full range of lower undergraduate classes offered by the department: Calculus at all levels, Discrete Mathematics, Probability Theory, Statistics, other courses for students with various backgrounds and interests. Used modern technology: **COW** (Calculus **O**n the **W**eb), graphic calculators, Maple. Worked in two projects for curricular improvement. Tutored in the Math Learning Center. Taught GMAT preparation courses.

09/92-07/93: Polytechnic University of Bucharest, Bucharest, Romania; Lecturer.

Taught Multivariable Calculus, Special Mathematics for Engineers and Computer Programming (Fortran and Pascal) in French, in the department for foreign students.

09/91-07/92: Ecological University of Bucharest; Lecturer.

Taught Calculus, Algebra and Differential Equations; Computer Programming (Pascal).

09/90-07/91 University of Bucharest; Instructor

Taught Advanced Calculus and Probability Theory in English, in the Department for foreign students.

EDUCATION

09/95-Present: Temple University, Philadelphia, PA; Ph.D., Mathematics (Partial Differential Equations).

Ph.D. Thesis on: "*Degenerate Boundary Value Problems*". Studied non-conventional methods for solving boundary value problems where ellipticity fails on the boundary.

09/93-07/95: Temple University, Philadelphia, PA; M. A., Mathematics.

Focus area: Partial Differential Equations.

09/90-07/91: University Of Bucharest, Bucharest, Romania; M. Sc., Mathematics.

Focus area: Probability and Stochastic Processes. Honors thesis: "*Stability Properties of Gaussian Distributions*".

09/84-07/90: University Of Bucharest, Bucharest, Romania; B.Sc., Mathematics.

Focus area: PDEs and Several Complex Variables. Honors thesis: "*L² bounds of some Partial Differential Operators*".

BACKGROUND

Partial Differential Equations

Microlocal Analysis

Complex Analysis in One and Several Variables

Fourier and Harmonic Analysis

Differential Geometry

Probability and Stochastic Processes

Statistics

Tex, HTML, Java

Unix/Linux, Windows, Microsoft Environment

Fortran, C, C++, Pascal, Maple

CGI, Perl

MEMBERSHIPS AND AWARDS

AMS member (since 1996).

Distinguished Teaching Award, The College of Arts and Sciences, Temple University, April 1998.

Two awards at the National Mathematics Olympiad, Pitesti and Focsani, Romania.

OTHER INFORMATION

Languages: English, French, Romanian (fluent); Italian, German.

Interests: Reading, hiking, skiing, windsurfing, bicycle riding.