

Curriculum Vitae

Rodica CETERCHI

Associate Professor

Department of Computer Science

Faculty of Mathematics and Computer Science

University of Bucharest, Romania

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Personal data:

Born December 2nd, 1953, in Cluj-Napoca, Romania

Children: Alexandra and Radu, Grandchildren: Anne-Sophie and Amelie

Education:

Habilitation, April 28 2017, University of Bucharest, Faculty of Mathematics and Computer Science

Thesis title: "Non-classical models: pseudo hoops and applications of P systems"

Ph.D. in Mathematics, 1989-1991, University of Bucharest, Faculty of Mathematics

Thesis title: "Topology, Categories, Learning"

Advisor: Acad. Prof. Dr. Doc. Solomon Marcus

M.S. in Mathematics, 1976-1977, University of Bucharest, Faculty of Mathematics

Thesis title: "The Prediction of Second-Order Stochastic Processes"

Advisor: Prof. Dr. Doc. Silviu Guiaşu

B.S. in Mathematics, 1972-1976, University of Bucharest, Faculty of Mathematics

Thesis title: "The Samuel Stratification of the Discriminant is Whitney Regular"

Advisor: Prof. Dr. Dan Burghilea

Baccalaureate Diploma, 1972, "I.L. Caragiale" Highschool, Bucharest

Positions:

2002-present, Associate Professor, Faculty of Mathematics and Computer Science, University of Bucharest, CS Dept.

1994-2002, Senior Lecturer, Faculty of Mathematics and Computer Science, University of Bucharest, Fundamentals of CS Dept.

1992-1994, Teaching Assistant, Faculty of Mathematics and Computer Science, University of Bucharest, CS Dept., next Fundamentals of CS Dept.

1987-1992 programmer, Computing Center, University of Bucharest

1981-1987 researcher, System Studies Division, University of Bucharest

1977-1981 analyst-programmer, Computing Center, IPGGH (Institute for Geological and Geophysical Prospecting) Bucharest

1977 (September 1 - October 10) analyst-programmer, CINOR, Bucharest

1991-1995 Associate Professor of CS, Faculty of Law, Atheneum University, Bucharest

Visiting positions:

2002 May – 2003 October: visiting researcher at GRLMC, University Rovira i Virgili, Tarragona, Spain, Sabbatical grant SAB-2000-0145, Spanish Ministry for Education, Culture and Sport

1997 April-May: University of Bordeaux I, I.U.T. A, France, TEMPUS individual mobility grant.

1993 September: invited Associate Professor, University of Nice, Sophia-Antipolis, ISSS, France.
1992 July-August: Visiting Professor, Sheffield City Polytechnic, UK

Academic Teaching:

Undergraduate:

Data Structures and Algorithms; Programming Graphical Interfaces (Windows Applications); Programming; Algebra.

Graduate:

Category Theory, with Applications to Computer Science; Algebraic Models in Syntax, Semantics, and Parallelism; MV Algebras.

Contextual Grammars, course module in The 1st International PhD School “Formal Languages and Applications”, University Rovira I Virgili, Tarragona, Spain, 2002.

Data Structures: Advanced Topics. Programming Efficient Algorithms.

Research areas (former and recent):

Topology, Universal Algebra, MV Algebras, Wajsberg algebras, Pseudo-Hoops, Applications to Many-Valued Logics

Algebra and Category Theory, their Applications to Computer Science, Algebraic Models for the Semantics of Programs.

Formal Languages, Contextual Languages and Grammars, 2D-languages.

Unconventional Models of Computation, Natural Computing, Membrane Computing, Splicing.

Awards:

The “Grigore C. Moisil” award of the Romanian Academy 2003 (awarded in 2006).

Participation to national and international contracts:

As a member of the System Studies Division of the University of Bucharest I was involved in the following research contracts: with the University of United Nations (UNU):

"Goals, Processes and Indicators of Development" (GPID) 1979-1982 (15.000 USD/year)

"People Development Problematique" (PDP) 1984

"Economic Aspects of Human Development" (EAHD) 1986-1987

With the Ministry of Education (MEI), Romania:

“Abordarea matematica a problemelor dezvoltarii”; 1982 – 1985;

“Metode matematice in teoria sistemelor cu aplicatii in problemele dezvoltarii”: 1986 – 1990.

Editorial activity:

Papers in Honor of Professor Solomon Marcus on the Occasion of his 90th Birthday – First Volume

Analele Universitatii Bucuresti – Informatica, Anul LXII, no. 2, 2015

(R. Ceterchi, R. Gramatovici, eds.)

Papers in Honor of Professor Solomon Marcus on the Occasion of his 90th Birthday – Second Volume

Analele Universitatii Bucuresti – Informatica, Anul LXII, no. 3, 2015

(R. Ceterchi, R. Gramatovici, eds.)