

Curriculum

Domenico Senato

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JOB HISTORY AND EDUCATION

University of Basilicata: Professor, Fall 2002–current.

University of Basilicata: Researcher, Winter 1988–Spring 2002;

Istituto Nazionale di Alta Matematica: Senior fellow, Rome, Fall 1987–Fall 1988.

University of Naples: Ph.D. in Applied Mathematics and Computer Science January 1988, under Gian-Carlo Rota (M.I.T. Cambridge)

Scuola Matematica Interuniversitaria: fellow, Cortona, Summer 1983.

Istituto Nazionale di Alta Matematica: fellow, Bologna, Fall 1982–Spring 1983

University of Naples: Degree in Mathematics (with honors), Napoli, February 1981.

RESEARCH INTERESTS

Combinatorial aspect of symmetric functions. Symbolic methods in the Representation Theory of the Symmetric Group and applications to Probability and Statistics.

Moment symbolic methods focused on orthogonal polynomials and connections among zonal polynomials and random matrices.

TEACHING

Graduate courses: Algebraic Combinatorics

Upper-division courses: Discrete Mathematics

Lower-division courses: First-Year Algebra, Second-Year Algebra.

PROFESSIONAL ACTIVITIES

Member of permanent program committee of the Incontri Italiani di Combinatoria Algebrica, (international workshops on Algebraic Combinatorics and topics related (1997, -)).

Member of the Scientific Committee of the XLII Séminaire Lotharingien de Combinatoire (1998) session dedicated to George Andrews.

Chairman of the VI Incontro Italiano di Combinatoria Algebrica international conference dedicated to Gian-Carlo Rota (1999).

Member of the organizing committee of the international conference: Combinatorial methods in P.I. Algebras (2001).

Chairman of the XI Incontro Italiano di Combinatoria Algebrica international workshop on combinatorial methods in Algebra (2004).

Rapporteur for the Ph.D thesis Coalgèbre e Calcul Symbolique EHESS, Paris (2004) and member of the Jury.

Member of the programme committee of the international conference Formal Power Series and Algebraic Combinatorics (FPSAC '05).

Faculty Coordinator for Erasmus programme (2003-2006)

Member of the Senate of Basilicata University (2006-2010)

Vice Coordinator of the International Doctoral Seminar "Janos Bolyai" (2011, -)

Reviewer for Mathematical Reviews

Referee for several international journals

Independent expert of European Commission for FP7

VISITING POSITIONS AND INVITED SPEAKER

University of Lisboa, (Visiting and main lecturer at CELC - Centro de Estruturas Lineares e Combinatórias, March, 2010)

University of Chicago. (visiting, spring-summer 2009)

University of Milano, The digital footprint of Gian-Carlo Rota; marbles, boxes and philosophy (invited speaker, 2009)

University of Salerno, The classical umbral calculus (invited speaker, 2007)

University of Bologna, Cumulants, k-statistics and umbral calculus (invited speaker, 2006)

III National Conference on Mathematics, scientific education and new technology (invited speaker, 2004)

University of L'Aquila, Gian-Carlo Rota Memorial Conference (invited speaker, 2002)

University of Milano, Giornata di studio in ricordo di Gian-Carlo Rota (invited speaker, 1999)

Massachusetts Institute of Technology (visiting, September 1995)

Massachusetts Institute of Technology (visiting, September-December 1990)

Massachusetts Institute of Technology (visiting, academic year 1987-88)

Université Louis Pasteur, Strasboug (visiting, March 1987)

University of Bari, Combinatorics and Formal Power Series (invited speaker, 1983)

University of Calabria, Blocking-sets and projective spaces (invited speaker, 1982)
