

CURRICULUM VITAE

Name: Aurelian Gheondea

Education:

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| Sept. 12, 1990 | Ph. D. in Mathematics, University of Bucharest, title of Dissertation <i>Spectral Theory of Selfadjoint Operators in Kreĭn Spaces</i> |
| Nov. 1985-Sept. 1990 | Ph.D. Programme at the University of Bucharest, adviser Prof. Ion Colojoară; |
| 1979–1980 | M.S. in Mathematics at the University of Bucharest with graduation thesis <i>Non-Commutative Integration</i> , adviser Prof. Șerban Strătilă; |
| 1975-1979 | B.S. in Mathematics, Faculty of Mathematics, University of Bucharest with graduation thesis <i>A functional calculus with meromorphic functions</i> , adviser Prof. Ion Colojoară. |

Professional Career:

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| Aug. 1997–today | Principal Researcher I (Professor), Institute of Mathematics of the Romanian Academy |
| Dec. 1993–Aug. 1997 | Principal Researcher II (Associate Professor), Institute of Mathematics of the Romanian Academy |
| Jun. 1991–Dec. 1993 | Principal Researcher III (Assistant Professor), Institute of Mathematics of the Romanian Academy, Bucharest; |
| May 1990–Jun. 1991 | Junior Researcher, Institute of Mathematics of the Romanian Academy |
| Sept. 1982–Apr. 1990 | Junior Researcher, Department of Mathematics, INCREST, Bucharest; |
| Aug. 1980–Sept. 1982 | Programmer, Computing Centre, INCREST, Bucharest; |

Fields of Interest:

Functional Analysis, Operator Theory and Operator Algebras, Quantum Operations, Matrix and Numerical Analysis, Systems and Control Theory.

Languages:

- fluent in: English (IELTS 7.5/9), French, and Romanian (native language);
- basic knowledge of: German, Russian, and Italian.

Computer Programming:

- FORTRAN, MATLAB, HTML;
- Style designing in plain T_EX and AMS-L^AT_EX 2_ε.

Funded Research Grants:

CNCSIS (Ministry of Education and Research of Romania)/ 2006–2008 Spectral theory, representation theory, and interpolation problems for families of operators (programme coordinator)
 CNCSIS (Ministry of Education and Research of Romania) / 2003–2005; Multivariable Operator Theory and Applications (programme coordinator)

CERES /2003: Geometric methods in quantum field theory (collaborator).

EURROMMAT Grant ICAD-CT-2000-70022/2000–2004: Fifth Framework Programme of the European Community for Research (Bruxelles) and Institute of Mathematics of the Romanian Academy (coordinator of the group Operator Theory).

MEC¹ 5232/1999-2001; Operator theory and applications in systems theory (collaborator).

MCT² 4073/1998; Balanced realizations of relaxation processes (programme coordinator).

GAR³ 99/1998; Mathematical models and computer simulation of macromolecules affinities (programme coordinator).

MCT 4022/1998; Operator theory and applications to systems theory, ergodic theory and the moment problems (programme coordinator).

MCT 3035/1997; Operator theory and applications to systems theory, ergodic theory and the moment problems (programme coordinator).

GAR 6645/1996; Spectral theory and its applications in systems theory, ergodic theory and moment problems (programme coordinator).

GAR 3720/1995: Extensions of operators with control on the negative signatures (programme coordinator).

Honors and Awards:

2000 Annual Prize *Spiru Haret* for Mathematics of the *Romanian Academy*.

1997 Annual Prize of the *Society of Mathematicians from Romania*.

1976 Second Prize at the National Mathematical Contest *Traian Lalescu* for students.

Fellowships (Longer Stages of Research):

Sept. 2009-July 2010	School of Mathematics and Statistics, Newcastle University, Newcastle upon Tyne, U.K.
March-Nov. 2001	National Research Council, COBASE grant at the Department of Mathematics and Statistics of the University of Texas at San Antonio.
May-June. 2000	Royal Society Grant, at Department of Mathematics, Newcastle University, Newcastle upon Tyne, U.K.
Sept.-Nov. 1997	Southwestern Medical School, The University of Texas at Dallas.
Jan.-June 1993	The Netherlands Organization for Scientific Research, at Department of Mathematics, University of Groningen, The Netherlands

Short Stages of Research:

University of Texas at Dallas (1995, 1996, 1998); University of Denver (2001); Academy of Mining and Engineering, Krakow (2002); Université des Science et Technologie de Lille, France (1999), Karl Weierstrass Institut, Berlin (1986); Institute of Mathematics of the Hungarian Academy, Budapest (1992).

Member in Organizing Committees of Conferences

¹Ministry of Education and Research

²Ministry of Research and Technology

³Grant of the Romanian Academy

July 2002, 2000, 1998, 1996, 1994, 1992, and 1990: *Conferences on Operator Theory*, Timișoara (Romania);

August 2001, August 2004, August 2008, August 2009: *International Conference on Complex Analysis and Related Topics*, Brașov, Cluj-Napoca, Alba Iulia (Romania), Turku (Finland).

Participation in Professional Meetings:

June 2010: *Functions and Operators*, Jagiellonian University, Poland;

August 2009: *Complex Functions and Related Topics*, University of Turku, Finland;

December 2008: *Workshop on Operator Theory in Krein Spaces and Inverse Problems*, TU Berlin, Germany.

August 2008: *International Conference on Complex Analysis and Related Topics*, The 11-th Romanian - Finnish Seminar Alba Iulia, Romania.

August 2008: *Exploratory Workshop on Recent trends in complex analysis and related topics*, Alba Iulia, Romania

July 2008: *3rd Small Workshop on Operator Theory*, Krakow, Poland.

December 2007: *Operator Theory in Krein Spaces and Spectral Analysis*, Berlin, Germany

June 2007: *Congress of the Romanian Mathematicians*, Bucharest, Romania

December 2006: *Operator Theory in Krein Spaces and Operator Polynomials*, Berlin, Germany.

December 2005: *Operator Theory in Krein spaces and Boundary Value Problems*, Berlin, Germany.

December 2004: *Operator Theory in Krein spaces and Spectral Theory*, Berlin, Germany.

December 2003: *Operator Theory in Krein spaces and Non-linear Spectral Problems*, Berlin, Germany.

July 2003: *Mathematical Physics and Operator Algebras*, Sinaia (Romania).

July 2002: *The 18th Conference on Operator Theory*, Timișoara (Romania);

May 2002: *Operator Theory and its Applications in Mathematical Physics*, The Stefan Banach International Mathematical Center, Bedlewo, Poland;

August 2001: *International Conference on Complex Analysis and Related Topics*, Brașov, Romania

July 2001: *4th Operator Algebras International Conference: "Operator Algebras and Mathematical Physics"*, Constanța, Romania

July 2000: *The 17th Conference on Operator Theory*, Timișoara, Romania

January 2000: *Journées Lilloise de la Théorie des Opérateurs*, Lille, France

July 1999: *Sz.-Nagy Memorial Conference on Operator Theory*, Szeged, Hungary

July 1998: *International Workshop on Operator Theory and its Applications*, Groningen, The Netherlands

July 1998: *The 17th Conference on Operator Theory*, Timișoara, Romania;

August 1997: *Conference on Functional Analysis*, Odessa, Ukraine;

July 1996: *The 15th Conference on Operator Theory*, Timișoara, Romania;

November 1995: *Journées de la Théorie des Opérateurs*, Luminy (Marseille), France;

August 1995: *International Workshop on Operator Theory and its Applications*, Regensburg, Germany;

August 1994: *Workshop on Schur Analysis*, Leipzig, Germany;

July 1994: *The 14th Conference on Operator Theory*, Timișoara (Romania);

Aug. 1993: *Conference on Functional Analysis and Applications*, Szégéd, Hungary;

July 1993: *Workshop on Operator Theory and Boundary Eigenvalue Problems*, Wien, Austria

June 1992: *Challenges of a Generalized System Theory*, Amsterdam, The Netherlands;
 June 1992: *Conference on Operator Theory*, Timișoara, Romania;
 June 1991: *Workshop on Operator Theory and Complex Analysis*, Sapporo, Japan;
 February 1991: *Operator Theory and Boundary Value Problems*, Oberwolfach, Germany
 June 1990: *The 12th Conference on Operator Theory*, Timișoara (Romania)
 January 1989: *Winter School on Functional Analysis*, Voronezh, Russia
 June 1988: *Conference on Operator Theory*, Predeal, Romania
 June 1985, 1986: *Conference on Operator Theory*, Bucharest, Romania
 May 1984: *Spring School on Functional Analysis*, Mariánské Lázně, Czechoslovakia
 May 1983: *Spring School On Functional Analysis*, Czesky Krumlow, Czechoslovakia
 September 1982: *Workshop on Quantum Probability*, Roma, Italy.

Editorial Activity:

Since 1994 Cooperating Editor of the *Journal of Operator Theory* Theta in Bucharest.

Since 2003 Associate Editor of *Opuscula Mathematica* AGH University of Science and Technology, Kraków.

Since 2006 Associate Editor of *Journal of Complex Analysis and Operator Theory*, Birkhäuser Verlag, Basel.

Since 2008 Associate Editor of *The Open Mathematics Journal*, Bentham Publishing, Sharjah.

Since 2000 Local Editor of *Zentralblatt MATH*.

Editor of the following conference proceedings:

- *Operator Extensions, Interpolation of Functions and Related Topics*, Proceedings of International Conference on Operator Theory, Timișoara, June 1–5 1992, Birkhäuser Verlag, Basel-Boston 1993.

- *Topics in Operator Theory, Operator Algebras and Applications*, Proceedings of International Conference on Operator Theory, Timișoara, June 6–10, 1994, Institute of Mathematics of the Romanian Academy, Bucharest 1995.

- *Operator Theory, Operator Algebras and Applications*, Proceedings of International Conference on Operator Theory, Timișoara, July 2–10, 1996, The Theta Foundation, Bucharest 1997.

Editor of the following book series: *Theta Series in Advanced Mathematics*, *Texte Matematiche Esențiale*, *Istoria Ideilor în Matematică*, and *Cursuri Universitare* at the Theta Foundation, Bucharest, Romania.

Membership in Professional Associations:

Since 1984 member of the AMS (American Mathematical Society);

Since 1992 member of the SMR (Societatea Matematicienilor din România).

Community Service

Member of commissions for awarding Ph.D. and M.S. degrees (national and international);

Since 1984 reviewer at *Mathematical Reviews*;

Since 1999 reviewer at *Zentralblatt MATH*.