



Maria Anastasia Jivulescu

DESPRE MINE

Conf.dr., Departamentul de Matematica, Universitatea Politehnica Timișoara, Romania.

EXPERIENȚA PROFESIO- NALĂ

Universitatea Politehnica Timișoara

Localitatea: Timisoara | Țara: România

[02/2016 – În curs]

Conferentiar dr., Departamentul de Matematica

Universitatea Politehnica Timișoara

Localitatea: Timișoara | Țara: România

[2011 – 2016]

Lector dr., Departamentul de Matematica

Universitatea Politehnica Timișoara

Localitatea: Timișoara | Țara: România

[2001 – 2011]

Asist. dr., Departamentul de Matematica

Niels Bohr Institute, Copenhagen

Țara: Danemarca

[02/2010 – 08/2010]

PostDoc, Quantum Information Grup

superviser Prof. M.M. Wolf

Universitatea Palermo

Țara: Italia

[2006 – 2008]

PostDoc, Department Fizica

superviser Prof. Antonino Messina

Localitatea: Vienna | Țara: Austria

[08/2009 – 11/2009]

Bursier, Erwin Schrodinger Institute

EDUCAȚIE ȘI FORMARE PROFESIONALĂ

Habilitare in Matematica, Teza "Mathematical Methods in Quantum Information Theory"

[2023 – În curs]

Universitatea Tehnica Cluj-Napoca

Țara: România |

[2002 – 2008] **Doctorat in Matematica, Teza "Operator differences equations with applications in Quantum Mechanics", Supervisor: Prof.dr. Dumitru Gașpar**

Universitatea de Vest Timișoara

Țara: România |

[2000 – 2002] **Master in Matematica**

Universitatea de Vest Timișoara

Țara: România |

[1996 – 2000] **Licenta in Matematica**

Universitatea de Vest Timișoara

Țara: România |

COMPETENȚE LINGVISTICE

Limbă(i) maternă(e): Romana

Altă limbă (Alte limbi):

engleză

COMPREHENSIUNE ORALĂ B2 CITIT B2 SCRIS B2

PRODUCEREA DE MESAJE ORALE B2 CONVERSAȚIE B2

italiană

COMPREHENSIUNE ORALĂ B2 CITIT B2 SCRIS B2

PRODUCEREA DE MESAJE ORALE B2 CONVERSAȚIE B2

franceză

COMPREHENSIUNE ORALĂ B1 CITIT B1 SCRIS B1

PRODUCEREA DE MESAJE ORALE B1 CONVERSAȚIE B1

Niveluri: A1 și A2 Utilizator de bază B1 și B2 Utilizator independent C1 și C2 Utilizator experimentat

HOBBY-URI ȘI TEME DE INTERES

Research Interests

Teoria operatorilor, Matematica Teoriei Informatiei Cuantice, Fizica Matematica

SCOLI DE FORMARE/PREZENTARI LA CONFERINTE (SELECTIE)

Scoli de formare/Prezentari la conferinte (selectie)

Iulie 2025 "Entanglement detection based on testers", SIAM, Madison, Winsconsin, USA(prezentare)

Iunie 2023 "On random POVMs", Henri Poincare Institute, Paris (prezentare)

August 2022 "Order preserving maps on quantum measurements", Xveme Colloque Franco-Roumain de Mathematiques Appliquees, Toulouse (prezentare)

Iunie 2021 "Entanglement criterion in QIT", Operator Theory Seminar, Institute of Mathematics of the Romanian Academy (prezentare-online)

Februarie 2021 "Structural Properties of Quantum Incompatibility", Conference Quantum Information Processing, Munchen (poster-online)

Iunie 2019 "On random POVMs" Summer School on Generalized Probability Theories and Quantum Information Theory, L'Université de Lyon 1 (prezentare)

Mai 2014 "*On the reduction criterion for random quantum states*", seminar in grupul de Matematica-Fizica, Tehnical University Munchen (prezentare)

Decembrie 1-12, 2014 School of Operator spaces, Noncommutative probability and Quantum groups, Métabief organised by Laboratoire de Mathematic de Besancson, France

Octombrie 25 2009 "*A review of the central spin model dynamics*", Research Center in Quantum Information of The Academy of Science, Bratislava, Slovakia (prezentare)

October 15/17 2009 "*The exact solution of the operator-difference equation with noncommutative and nonconstant coefficients*" Institute of Applied Mathematics, University of Klagenfurt, Austria

Septembrie 21/27 2009 Summer school Quantum Information, organised by Research Center in Quantum Information of The Academy of Science, Bratislava, Slovakia

August-Octombrie 2009 Research programme "Entanglement and correlations in many-body quantum mechanics", International Erwin Schroedinger Institute for Mathematical Physics, Vienna, Austria

Mai 11/15 2009 Satellite Workshop of Isaac Newton Institute For Mathematical Sciences, University of Cambridge, Cambridge, UK - Algebraic Theory of Difference Equations 11 - 15 May 2009, University of Leeds, UK

Februarie 16/21 2009 Workshop on "*Mathematical Methods in Quantum Mechanics*", Bressanone-Brixen, Italy

Februarie 9/15 2009 Erasmus Teaching Program pe tema "*Gaudin's method for diagonalizing the generalized spin star models*" at Department of Physics and Astronomy, University of Palermo, Italy

August 18/22 2008 Workshop "Anderson Localization and Related Phenomena", Isaac Newton Institute For Mathematical Sciences, University of Cambridge, Cambridge, UK

Iulie 14/25 2008 Scoala de vara " Anderson Localization Transition: Introductory Training Course", Isaac Newton Institute For Mathematical Sciences, University of Cambridge, Cambridge, UK

Decembrie 2006 Clases on "Non-Markovian Quantum Dynamics: Foundations and Applications to Relaxation and Transport Processes", by Dr. Heinz-Peter Breuer, at Palermo University

Martie/Iunie 2001 Erasmus Fellow Lab of Mathematics, Application and Mathematical Physics, University of Orleans, France

GRANTURI DE CERCETARE

Granturi de cercetare

2013/2016 Principal Investigator "Random Matrix Tehniques in QIT"

PN-II-ID-JRP-2011-2, Proiect Romania -Frace, partener Dr. Ion Nechita, University Paul Sebatier Toulouse, France

2007 membru ale echipei "*Mathematical modulation based on coherent and squeezed states of bio-photons generated by human cells*", Universitatea Politehnica Timișoara

2007 membru ale echipei "*Control and stability of dynamical systems with stochastic perturbations and applications to economy and aeronautic*", Universitatea Politehnica Timișoara

PREMII

Premii

Iunie-Iulie 2022, Profesor invitat, NanoX Projects, Toulouse, Franța

Iunie 2019 Profesor invitat, Universitatea Paul-Sabatier, Toulouse, Franța

Junior Research Fellowship, International Erwin Schroedinger Institute for Mathematical Physics, Vienna, Austria, August-October, 2009 (programe de cercetare "Entanglement and correlations in many-body quantum mechanics")

Premiu "Francesca Palumbo" cel mai bun poster la 14th Central European Workshop on Quantum Optics, Palermo, Italia, 1-5 Iunie, 2007

ABILITATI ORGANIZATORIALE

Conferinte organizate

Sesiune speciala de QIT in cadrul. Conferineta 27th edition of Operator Theory "Connection to QIT, 2-7 Iulie

2018, Timișoara (co-organizator Ion Nechita)

20.06.2026

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