

## CURRICULUM VITAE

- Name:** Ioan DUMITRU
- Address:** "Alexandru Ioan Cuza" University, Faculty of Physics  
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- Date of Birth:** 18.05.1972
- Education:**
- **Ph.D.** in Physics in 2003, "Al. I. Cuza" University of Iasi, Thesis "Study of gyromagnetic effects on the ferro and ferrimagnetic materials in microwave domain"
  - **M.Sc.** in Physics in 1996, "Al. I. Cuza" University of Iasi, Dissertation "The ferromagnetic resonance on the ferromagnetic materials"
  - **B.Sc.** in Physics in 1995, "Al. I. Cuza" University of Iasi
- Position:** - Associate Professor at Faculty of Physics, "Alexandru Ioan Cuza" University
- Courses:**
- Numerical methods and simulation in physics
  - Systems of data acquisition and data processing
  - JAVA
  - Methods for solving physics problems
  - Methodology of scientific research
- Books:** The magnetostrictive cobalt ferrites, Chapter: Methods for magnetic permeability measurement, ISBN 978-973-703-414-4, p 173-188, Iasi University (2009)
- Grants:** Member in 9 national grants, director of project for 1 grant (Microwave behaviour study on nonsaturated magnetic nanowire systems- PN-II-RU-TE-2012-3-0449, UEFISCDI, 26/26.04.2013), coordinator for 1 grant (Sisteme nanostructurate cu aplicatii in dispozitive de inalta frecventa - HIFI, Director proiect: Prof. dr. Alexandru Stancu, Responsabil proiect: Lect. dr. Ioan Dumitru, CNMP 2008)

**Affiliation:**

- Member of IEEE Magnetic Society from 2005
  - Member of the Centre for Applied Research in Physics and Advanced Technologies (CARPATH)
  - Member WP2 of Steps Two project Science and Physics Teachers Education (<http://www.stepstwo.eu>)
- Member in the network of excellence MAGMANet funded by European Union (150.000€ for our group);
- Member in the research teams for 7 research contracts awarded by World Bank, ANSTI, NANOEND and QUANET Program

**Professional experience:**

- from 2016 Associate Professor , Faculty of Physics, “Al. I Cuza” University, Iasi, Romania
- 2008 - 2016 Assistant Professor , Faculty of Physics, “Al. I Cuza” University, Iasi, Romania
- 2006 - 2008: Postdoctoral Researcher, “Al. I Cuza” University, Iasi, Romania
- 2004 - 2005: Senior Postdoctoral Researcher, Advanced Materials Research Institute / University of New Orleans, USA
- 2003 - 2004: Postdoctoral Researcher, Advanced Materials Research Institute / University of New Orleans, USA
- 1998 - 2001: Researcher, The National Institute for Materials Engineering, Microwave Department, Bucharest
- 1996 - 1998: Teacher at High School in Piatra Neamt

**Foreign languages:** English

**Utilization of computer:** Fortran, C, C++, Java, MatLab, Mathematica, Maple, LabView, Comsol, Php/MySQL

**Research experience:**

- high frequency measurements and characterization of the materials
- modeling of microwave devices: dielectric resonators, filters, devices with gyromagnetic materials
- modeling and simulation in magnetism and magnetic materials
- Ferromagnetic resonance FMR, EPR

- Magnetic measurements using VSM, SQUID, PPMS including cryogenic and high-magnetic field techniques
- Electron microscopy SEM
- Electrodeposition techniques, photolithography and thin film growth by dc-magnetron sputter deposition, e-beam

**Sum of the times cited: >600**

**h-index: 19**

**Papers in ISI journals: 69**

**Awards: 1<sup>st</sup> Prize for Top Excellence in Scientific Research 2008 by the National Authority for Scientific Research as a member of the CARPATH Excellence Center ("Alexandru I. Cuza" University, Iasi)**

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