

PERSONAL INFORMATION

Florin-Dorian Buzatu



 Institute of Atomic Physics, 407 Atomîștilor, Măgurele, Ilfov County, 077125, Romania

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Sex M | Date of birth 17/04/1957 | Nationality Romanian

WORK EXPERIENCE

Jan. 2008 – present

**Director General**

Institute of Atomic Physics (IFA), Măgurele-Bucharest, Romania ([www.ifa-mg.ro](http://www.ifa-mg.ro))

- Coordinator of the Research and Development (R&D) programmes supporting the Romanian participation in European programmes/organisations (EURATOM, F4E, CERN, ELI-NP, FAIR, CEA)
- Coordinator for preparing the Romania's Application file for hosting the Extreme Light Infrastructure (ELI) during the ELI Preparatory Phase (2008-2010)

**Business or sector** R&D Management

March 2005 – Jan. 2008  
May 2002 – April 2004

**Scientific Director**

Horia Hulubei National R&D Institute for Physics and Nuclear Engineering (IFIN-HH), Măgurele-Bucharest, Romania ([www.nipne.ro](http://www.nipne.ro))

- Coordinator for preparing the Romania's Application file for membership of CERN (2006-2007)
- Coordinator of the Core Financing Programme of the institute

**Business or sector** R&D Management

Nov. 2004 – Feb. 2005  
April – May 2002  
May – Aug. 1998

**Scientific Secretary**

Horia Hulubei National R&D Institute for Physics and Nuclear Engineering (IFIN-HH), Măgurele-Bucharest, Romania ([www.nipne.ro](http://www.nipne.ro))

- Coordinator for R&D support activities (conferences, seminars, collaborations, library, editorial office)

**Business or sector** R&D Management

June 2000 – May 2001

**Research Associate**

Department of Chemistry, Texas Christian University, Fort Worth, TX, USA ([www.tcu.edu](http://www.tcu.edu))

- Modelling phase transitions in molecular systems

**Business or sector** Scientific Research

Aug. 1998 – May 2000

**Postdoctoral Fellow**

Department of Chemistry, Texas Christian University, Fort Worth, TX, USA ([www.tcu.edu](http://www.tcu.edu))

- Conducting research in chemical physics

**Business or sector** Scientific Research

Nov. 1994 – Sept. 1996

**Senior Scientific Researcher**

Bogoliubov Laboratory of Theoretical Physics, Joint Institute for Nuclear Research (JINR), Dubna, Moscow region, Russian Federation ([www.jinr.ru](http://www.jinr.ru))

- Theory of Condensed Matter – strongly correlated electrons

**Business or sector** Scientific Research

- Sept. 1991 – Oct. 1994 **Scientific Researcher**  
Bogoliubov Laboratory of Theoretical Physics, Joint Institute for Nuclear Research (JINR), Dubna, Moscow region, Russian Federation ([www.jinr.ru](http://www.jinr.ru))
- Theory of Condensed Matter – strongly correlated electrons
- Business or sector** Scientific Research
- Aug. 2008 – present **Scientific Researcher I**  
Department of Theoretical Physics, Horia Hulubei National R&D Institute for Physics and Nuclear Engineering (IFIN-HH), Măgurele-Bucharest, Romania ([www.nipne.ro](http://www.nipne.ro))
- Theory of Condensed Matter
- Business or sector** Scientific Research
- Dec.1996 – July 2008 **Scientific Researcher II**  
Department of Theoretical Physics, Horia Hulubei National R&D Institute for Physics and Nuclear Engineering (IFIN-HH), Măgurele-Bucharest, Romania ([www.nipne.ro](http://www.nipne.ro))
- Theory of Condensed Matter
- Business or sector** Scientific Research
- Dec.1995 – Nov. 1996 **Scientific Researcher III**  
Department of Theoretical Physics, Institute of Physics and Nuclear Engineering (IFIN), Institute of Atomic Physics (IFA), Măgurele-Bucharest, Romania
- Theory of Condensed Matter
- Business or sector** Scientific Research
- Oct.1990 – Nov. 1995 **Researcher**  
Department of Theoretical Physics, Institute of Physics and Nuclear Engineering (IFIN), Institute of Atomic Physics (IFA), Măgurele-Bucharest, Romania
- Theory of Condensed Matter
- Business or sector** Scientific Research
- Sept. 1984 – Sept. 1990 **Physicist**  
Computing Centre / (from Jan. 1990) Department of Theoretical Physics, Institute of Physics and Nuclear Engineering (IFIN), Central Institute of Physics (ICEFIZ) / (from Jan. 1990) Institute of Atomic Physics (IFA), Măgurele-Bucharest, Romania
- Theoretical Physics
- Business or sector** Scientific Research
- Sept. 1982 – Aug. 1984 **Physicist**  
Chemical Plant Făgăraș, Brașov County, Romania
- Compulsory traineeship in production
- Business or sector** Industry

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**EDUCATION AND TRAINING**

- Sept. 1985 – Nov. 1994 **Doctoral Degree in Physics** EQF level 8  
Institute of Atomic Physics (IFA), Romania
- PhD thesis: Contributions to the study of one-dimensional Hubbard model

Oct. 1981 – June 1982 **Specialization Certificate in Nuclear Physics** EQF level 7  
 University of Bucharest - Faculty of Physics, Romania  
 ▪ Specialization paper: Solving nonlinear evolution equations by the inverse scattering method; soliton solutions

Oct. 1977 – June 1981 **Graduate Diploma in Physics** EQF level 6  
 University of Bucharest - Faculty of Physics, Romania  
 ▪ Fourth (specialization) year of study: Nuclear Physics  
 ▪ Thesis: Casimir effect

**PERSONAL SKILLS**

Mother tongue(s) Romanian

Other language(s)

	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken interaction	Spoken production	
English	C1	C1	C1	C1	C1
French	B1	B1	A2	A2	A2
Russian	A2	A2	A2	A2	A1

Levels: A1/A2: Basic user - B1/B2: Independent user - C1/C2 Proficient user  
Common European Framework of Reference for Languages

**ADDITIONAL INFORMATION**

- Publications**
  - 47 scientific articles (28 in ISI indexed journals)
- Presentations**
  - ROMANIA TOWARDS ELI – Application for hosting the Extreme Light Infrastructure, Stresa, Italy (April 17, 2009)
- Projects**
  - ESFRO - Evaluation of the Romanian research potential in physics and elaboration of the national strategy for international cooperation (2009-2011, <http://www.ifa-mg.ro/esfro/>)
- Memberships**
  - CERN Council – Romania’s Scientific Representative (2016 – present); Advisor of the Romania Representatives (2010 – 2016)
  - JINR Committee of Plenipotentiaries – Romania’s Representative (2016 – present)
  - EURATOM-Fission Programme Committee – Romania’s Representative (2013 – present)
  - F4E Governing Board – Romania’s Representative (2008 – present)

**ANNEXES**

- List of Publications