



Curriculum Vitae Europass

Personal information

First name / Surname **Cătălin-Gabriel Borcia**
Address Alexandru Ioan Cuza University of Iasi, Faculty of Physics, Bd. Carol I, no. 11 – Iași - 700506
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Work experience

Period 01/10/1993 →
Position teaching assistant, lecturer, associate professor
Main activities and responsibilities Teaching courses, guiding practical work on: Radiation sources and radiological protection, Physics of the nucleus and elementary particles, Radiology and medical imaging, Quality assurance in medical physicist practice, Radio-ecology
Director or member in scientific projects
Employer's name and address Alexandru Ioan Cuza University of Iasi
Bd. Carol I, nr. 11, 700506 Iași (România)
Business or sector Education / research

Education and training

Period 17/11/2008 - 19/11/2008
Qualification awarded Training courses on ultra-low-level alpha and beta radiation spectrometry
Education or training organization Perkin-Elmer Life Science (USA)
Period July – December 2002
Qualification awarded Research internship; surface processing the diamond-like films exposed to oxygen plasma
Education or training organization Surface Science Laboratory – University of Ulster, Coleraine, Great Britain
Period September – November 2001
Qualification awarded Theoretical and practical training course in Radiological and Medical Physics
Education or training organization Institute Gustave Roussy (Villejuif - France) and Commissariat a l'Energie Atomique (Saclay - France)
Period 1/10/2000 - 10/09/2001
Qualification awarded Diploma of Postgraduate Specialization Studies;
Professional competencies Use of radioactive isotopes
Education or training organization University of Bucharest (România)
Period 01/04/1994 - 05/06/1999
Qualification awarded PhD Diploma
Education or training organization Alexandru Ioan Cuza University of Iasi, Faculty of Physics, Bd. Carol I, no. 11 – Iași - 700506
Period January – June 1996, January – June 1997, January – June 1998
Professional competencies Research internships - experimental investigation of the temporal behavior of space-formed structures in plasma.
Education or training organization Laboratoire de Physique des Gas et des Plasmas, University of Paris-Sud, Orsay (France)

Period 01/10/1992 - 30/06/1993
 Qualification awarded Diploma of thorough studies - Diplome d'Etudes Approfondies
 Professional competencies Physics of Gases and Plasmas
 Education or training organization University of Paris-Sud, Orsay (France)

Period 15/09/1987 - 01/07/1992
 Qualification awarded Diploma of merit - license
 Education or training organization Alexandru Ioan Cuza University of Iasi, Faculty of Physics, Bd. Carol I, no. 11 – Iași - 700506

Personal skills

Mother language **Romanian**

Other languages

Self-evaluation

Level (*)

English

French

German

Understanding				Speaking				Writing	
Listening		Reading		Spoken interaction		Spoken production			
C1	Proficient user	C1	Proficient user	C1	Proficient user	C1	Proficient user	C1	Proficient user
C1	Proficient user	C1	Proficient user	C1	Proficient user	C1	Proficient user	C1	Proficient user
A1	Basic user	A1	Basic user	A1	Basic user	A1	Basic user	A1	Basic user

(*)Levels: A1/2: Basic user - B1/2: Independent user - C1/2 Proficient user
 Common European Framework of Reference for Languages

Communication and social skills - ability to coordinate-work in a research team, obtained as a result of participating in 12 scientific research contracts as project director or team member

Organizational and managerial skills - experience in organizing scientific events;
 - L.O.C. Secretary - „Four Seas” International Conference - - Iași, May 2007

Job related skills - ionizing radiation spectrometry (alpha, beta, gamma);
 - effects of ionizing radiation interaction with substance;
 - processing of polymeric polymer surfaces at atmospheric pressure;
 - use of sealed radiation sources and X-ray generators - holder of the GR - AFX and SI - AASI nuclear license, issued by the national Romanian authority (CNCAN)

Computer skills - skills in programs to simulate the interaction of ionizing radiation with the substance (Fluka, EGS, - BEAM)

Additional information - 25 papers published in Web of Science indexed journals in the fields: the interaction of ionizing particles with the substance, the plasma-surface interaction;
 - participation in over 40 national and international conferences with oral and poster communications;
 - scientific director of a research project in the frame of ERAMIN-ERANET Joint Call 2014
 - director of a national youth research grant (AT).

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