

Andi Sebastian Cucoanes

Extreme Light Infrastructure-Nuclear Physics (ELI-NP), 'Horia Hulubei' National R&D Institute for Physics and Nuclear Engineering (IFIN-HH)

x andi.cucoanes@eli-np.ro

2015 - present	Research scientist (CS3) Extreme Light Infrastructure-Nuclear Physics (ELI-NP), 'Horia Hulubei' National R&D Institute for Physics and Nuclear Engineering (IFIN-HH), Magurele, 30 Reactorului str. 077125, Romania
	 Nuclear based techniques for the investigation of the laser intrerractions, R&D for detectors used in laser-plasma experiments Applications of high power lasers in biology and medicine Business or sector Research and applications based on high power lasers
2011 - 2014	Research scientist CNRS (CDD)
	Laboratoire SUBATECH, Group of Experimental Research on Data Reactors and Energy (ERDRE), Nantes, France
	 Responsible for data analysis of nuclear physics experiments (Double Chooz, Nucifer, SoLid), involved in the R&D of detectors for nuclear and particle physics research Co-adviser (with Prof. M. Fallot) of 3 undergraduate students for internships on data analysis of neutrino experiments Assistant Professor of courses "Du capteur a l'instrument" and "Project d'investigation et d'integration" at École des Mines de Nantes (Prof. C. Rauch) Business or sector Research in nuclear and particle physics
2009 - 2011	 PostDoc Commissariat a l'energie atomique et aux energies alternatives (CEA), Saclay, France Involved in the data analysis and detector R&D of nuclear physics experiments (Double Chooz, Nucifer) Co-adviser (with Prof. D. Lhuillier) of 1 undergraduate students for internship on data
	analysis of neutrino experiments Business or sector Research in nuclear and particle physics
2006 - 2009	PhD Rheinisch-Westfalische Technische Hochschule (RWTH), III Physikalisches Institut, Aachen, Germany
	 The development of the trigger system of the Double Chooz experiment, involved in R&D and data analysis of the Double Chooz experiment Assistant Professor at Nuclear Physics Laboratory of RWTH Aachen (Prof. O. Pooth) Business or sector Education and research in nuclear and particle physics
2002 - 2006	 Research Assistant National Institute for R&D in Physics and Nuclear Engineering, Magurele, Romania Involved in the development and R&D tests of the accelerator mass spectrometer facility Involved in the R&D of particle physics experiments (CMS at CERN) at Istituto Nationale di Fisica Nucleare (INFN) Pisa, Italy
	Business or sector Research in atomic physics and particle physics



EDUCATION AND TRAINING					
2006-2009	PhD in physics Rheinisch-Westfalische Technische Hochschule (RWTH), Aachen, Germany Research in particle physics, data analysis, instrumentation development				
2002-2004	Master in physics University of Bucharest Majors: Instrumentation in physics research, nuclear physics				
1998-2002	 Bachelor in physics University of Bucharest Majors: Nuclear physics, instrumentation, optics 				
PERSONAL SKILLS					
Mother tongue(s)	Romanian				
Other language(s)	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken interaction	Spoken production	
English	C2	C2	C2	C2	C2
			anguage certificate. E		
French	C2	C2	C2 anguage certificate. E	C2	B2
Communication skills	Common European F	Framework of Referen	ined throug living e		ent countries in
Organisational / managerial skills			n the framework of na diagnostic in las		
Job-related skills	Excellent knowled	dge of data analys	is tools for physics	research, C/C++ p	programming
Digital competence	SELF-ASSESSMENT				
	Information processing	Communication	Content creation	Safety	Problem solving
	Proficient	Proficient	Proficient	Proficient	Proficient
	Levels: Basic user - Ii Digital competences -	ndependent user - Pr Self-assessment grid	oficient user		

Driving licence Yes



ADDITIONAL INFORMATION

Publications Presentations	2019 Level 2 Radioprotection Certificate emitted by CNCAN
Projects Conferences Seminars Honours and awards Memberships References Citations Courses Certifications	2014 Prize: "Best e-Poster advertisement in the session Technology Foresight and Emerging Technologies II" at IAEA Safeguards Symposium, Vienna (2014)
	2013 Passed the "Qualification aux fonctions de Maitre de conference" given by Conseil national des universités, France
	2006 – 2009 PhD fellowship at Rheinisch-Westfälische Technische Hochschule (RWTH) Aachen, Germany
	2004 – 2005 Fellowship at Istituto Nationale di Fisica Nucleare (INFN) Pisa, Italy
	2003 Erasmus scholarship at Rijksuniversiteit (RUG) Groningen, Holland

Former member of the Double Chooz, Nucifer, IGISOL, SoLid, and CMS Collaborations