

## PERSONAL INFORMATION

**Doru Pacesila**

 73, Iuliu Maniu, Bucharest, Romania



Sex M | Date of birth 30/09/1985 | Nationality Romanian

## POSITION WITHIN THE PROJECT

Research assistant

## WORK EXPERIENCE

2013-present

**Research assistant**  
IFIN-HH

- Research in the field of applied nuclear physics;
- Good experience in electrostatic particle accelerators in either the design of electro-magnetic components and also in their installation and commissioning processes;
- Brief experience with ion beam analysis techniques and ion beam irradiation at 3MV Tandem Accelerator;
- Conducting radio carbon dating analysis with Accelerator Mass Spectrometry (AMS) method, by using 1MV Tandetron<sup>TM</sup>;
- Development and implementation of the AMS analysis for the actinide species (U, Pu, Th) and their descendants;

2012-2013

**Design Engineer**

AquaProiect S.A., Bucharest

- developing the mechanical part of pre-feasibility and feasibility studies, intervention works, approval documentation, technical projects on implementation and installation of hydraulic equipment for HPPs.

2009-2012

**Design Engineer**

I.S.P.H. Project Development, Bucharest

- developing the mechanical part of pre-feasibility and feasibility studies, intervention works, approval documentation, technical projects on implementation and installation of hydraulic equipment for HPPs.

## EDUCATION AND TRAINING

2013-present

PhD student in physics  
University Politehnica of Bucharest

2009-2011

Master's degree  
University Politehnica of Bucharest

2004-2009	Bachelor's degree University Politehnica of Bucharest
08/01/2017–19/03/2017	Specialization in physics and technology of particle accelerators Joint Universities Accelerator School Cite d'Archamps, Archamps (France) <a href="https://espace.cern.ch/juas/SitePages/Home.aspx">https://espace.cern.ch/juas/SitePages/Home.aspx</a> Physics of the particle accelerators, technology of the particle accelerators.
16/11/2013–29/11/2013	CAD specialist CATIA V5, V5R21 PRO MANAGEMENT SRL, Bucharest (Romania) CAD specialist certificate

PERSONAL SKILLS

Mother tongue(s) Romanian

Other language(s)

	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken interaction	Spoken production	
English	B2	B2	B2	B2	B2
	Replace with name of language certificate. Enter level if known.				
French	A2	A2	A2	A2	A2
	Replace with name of language certificate. Enter level if known.				

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

Digital competence Operating systems Windows, MAC OSX  
Optic ion beam simulation (SIMION 8.1).  
CAD abilities (CATIA v5 și AUTOCAD).

Job-related skills Ionising radiation working permit - fulfilling the requirements to be occupationally exposed to ionising radiation up to 6 mSv/year, from closed radioactive sources and particle accelerators.

Driving licence B

ADDITIONAL INFORMATION

Conferences and summer schools

1. *A New External Ion Beam Analysis Setup at the IFIN-HH 3 MV Tandatron*  
**M. STRATICIUC, R. ANDREI, D. MIREA, A. ROTARU, D. G. PACESILA, I. BURDUCEA, D. G. GHITA**  
*JOINT ICTP-IAEA ADVANCED WORKSHOP ON HIGH SENSITIVITY 2D & 3D Characterisation and Imaging with Ion Beams, IAEA, VIENNA, AUSTRIA, SEPTEMBER 26-30, 2016*

2. *Sample Preparation at the New Bucharest Radiocarbon Dating Laboratory*  
**B. ȘTEFAN, T. SAVA, C. SIMION, O. GAZA, D. PACESILA, I. M. STANCIU, G. SAVA**  
*The 8th International Symposium on 14C & Archaeology, Edinburgh, Scotland, June 27 - July 1, 2016*
3. *The new AMS center in Bucharest*  
**T. Sava, D. Ghita, C. Simion, O. Gaza, D. Pacesila, I. Stanciu, G. Sava, B. Ștefan**  
*24th Conference on Application of Accelerators in Research and Industry (CAARI 2016), Fort Worth, Texas, USA, October 30th-November 4th, 2016*
4. *Development of an External Ion Beam Analysis Setup at the IFIN-HH 3MV Tandetron*  
**M. Straticiuc, V. A. Runceanu, D. G. Pacesila, I. Burducea, D. G. Ghita**  
*9th International Physics Conference of the Balkan Physical Union – BPU9, Istanbul University, Istanbul, Turkey, August 24-27, 2015*
5. *Development of RBS Channeling System for Crystallographic Analysis at the 3MV Tandetron accelerator at IFIN-HH*  
**D. Pacesila, A. Rotaru, M. Straticiuc, I. Burducea, D. Ghita**  
*3th European Nuclear Physics Conference EuNPC2015, Groningen, The Netherlands, 31 August – September 4, 2015*
6. *High Energy (MeV) Ion Beam Implantation in INT-WS2*  
**M. Straticiuc, A. Zak, D. Pacesila, V. Runceanu, A. Rotaru, I. Burducea, D. Ghita, P. Racolta**  
*14th International Balkan Workshop on Applied Physics, Constanța, Romania, July 2-4, 2014*