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EDUCATION AND TRAINING

PhD

University "Politehnica" Bucharest [01/10/2003 – 01/03/2009]

Address: 313 Splaiul Independenței, RO-060032 Bucharest (Romania)

www.pub.ro

Field(s) of study: Physics

Level in EQF: EQF level 8

Nuclear structure studies concentrated on fast timing measurements down to tens of pico-seconds using electronic methods for excited nuclear states.

Master Studies

University "Politehnica" Bucharest [01/10/2003 – 01/07/2005]

Address: 313 Splaiul Independenței, RO-060032 Bucharest (Romania)

www.pub.ro

Field(s) of study: Fizica laserilor

Level in EQF: EQF level 7

Laser physics and optical technologies

Bachelor of Science

University "Politehnica" Bucharest [01/10/1998 – 01/07/2003]

Address: 313 Splaiul Independenței, RO-060032 Bucharest (Romania)

www.pub.ro

Field(s) of study: Physics engineering

Level in EQF: EQF level 6

Physics Engineering - Electronics and Telecommunications Faculty



Baccalaureate

Constantin Carabella High-School [15/09/1994 – 15/07/1998]

Address: 58 Pârvan Popescu street, RO-130078 Târgoviște (Romania)

<https://www.carabella.ro>

Field(s) of study: Matematică și fizică

Level in EQF: EQF level 5

Mathematics and physics profile.

Physics and Technology of Particle Accelerators

Joint Universities Accelerator School [03/01/2004 – 20/03/2004]

Address: Cite d'Archamps, Archamps (France)

<http://www.esi-archamps.eu>

Field(s) of study: Physics and technology of particle accelerators

Level in EQF: EQF level 5

Particle Accelerators Physics and Technology Course.

CAD CATIA V5, V5R21

PRO MANAGEMENT SRL [16/11/2013 – 29/11/2013]

Address: Bucharest (Romania)

Computer Aided Design course in CATIA V5.

WORK EXPERIENCE

Engineer - Technical Division Coordinator

Horia Hulubei National Institute for R&D in Physics and Nuclear Engineering - Extreme Light Infrast [01/01/2019 – 31/12/2019]

Address: 30 Reactorului street, RO077125 Măgurele (Romania) - www.eli-np.ro

Coordination of the technical support laboratories for the implementation and operation of ELI-NP research facility. The Technical Division comprises several workshops, laboratories and offices, as follows: Design Office, IT Office, Mechanical and Vacuum Workshop, Electronics Workshop, Dosimetry Laboratory and Target Laboratory.

Technical Director ELI-NP

Horia Hulubei National Institute for R&D in Physics and Nuclear Engineering - Extreme Light Infrast [07/02/2017 – 31/12/2018]

Address: 30 Reactorului street, RO077125 Magurele (Romania) - www.eli-np.ro

The technical coordination of the implementation, including work planning, coordination and activity correlation of the external and internal teams doing the implementation work of the project, strategic planning of the future activities and resources.



Engineer

Horia Hulubei National Institute for R&D in Physics and Nuclear Engineering - Extreme Light Infrast [17/12/2015 – 07/02/2017]

Address: 30 Reactorului street, RO077125 Măgurele (Romania) - www.eli-np.ro

Development of the experimental set-ups in the research group responsible for the implementation of the experiments with gamma beams.

Head of Tandem Accelerator Department

Horia Hulubei National Institute for R&D in Physics and Nuclear Engineering [01/11/2013 – 07/02/2017]

Address: 30 Reactorului street, RO-077125 Măgurele (Romania) - <http://tandem.nipne.ro>

Responsible for the coordination of a technical development department that has as a main responsibility the operation, maintenance and development of three linear accelerators. The coordination was involving all the aspects, including experimental program, maintenance program, coordination of the technical personnel, the development program and the administration of the funds allocated for these activities.

Technical Development Engineer first degree

Horia Hulubei National Institute for R&D in Physics and Nuclear Engineering [06/06/2016 – Current]

Address: 30 Reactorului street, RO077125 Măgurele (Romania) - <http://tandem.nipne.ro>

Technical development activity for particle accelerators and experimental physics.

Technical Coordinator of the 9 MV Tandem Accelerator

Horia Hulubei National Institute for R&D in Physics and Nuclear Engineering [01/06/2009 – 07/02/2017]

Address: 30 Reactorului street, RO-077125 Măgurele (Romania) - <http://tandem.nipne.ro>

Coordinating the technical activities at the 9 MV Tandem Accelerator.

Scientific Researcher third degree (Junior Researcher)

Horia Hulubei National Institute for R&D in Physics and Nuclear Engineering [05/10/2011 – 06/06/2016]

Address: 30 Reactorului street, RO-077125 Măgurele (Romania) - tandem.nipne.ro

Nuclear physics research, concentrated on nuclear structure study. Fast timing measurements using electronic methods. Physics and technology for particle accelerators.

Scientific Researcher (Junior Researcher)

Horia Hulubei National Institute for R&D in Physics and Nuclear Engineering [01/03/2007 – 05/10/2011]

Address: 30 Reactorului street, RO-077125 Măgurele (Romania) - <http://tandem.nipne.ro>

Nuclear structure physics concentrated on nuclear structure research.

Research Assistant

Horia Hulubei National Institute for R&D in Physics and Nuclear Engineering [01/12/2003 – 01/03/2007]

Address: 30 Reactorului street, RO-077125 Măgurele (Romania) - <http://tandem.nipne.ro>

Participation at nuclear physics experiments under the supervision of a scientist.



Delegate to the FAIR In-Kind Review Board

In-Kind Review Board at Facility for Antiproton and Ion Research, GSI [2011 – 2014]

Address: Darmstadt (Germany)

Representative from Romania in the IKRB at FAIR. The IKRB is the international committee that reviews the in-kind contribution of all member countries in the FAIR collaboration.

Delegate in the Physical Science and Engineering Strategic Working Group at ESFRI

ESFRI - PSE SWG [2016 – Current]

Address: Bruxelles (Belgium)

Delegate in the expert group for physical science and engineering. The main task of these groups is to analyse and report on the research and development in Europe. In particular the PSE group is reporting on physics research and engineering at European level. These reports are provided to decision makers at the level of EC.

Associated Lecturer

University "Politehnica" Bucharest [2015 – Current]

Address: Bucharest (Romania)

City: Bucharest

Country: Romania

Teaching courses of particle accelerators physics and technology.

Engineer

Horia Hulubei National Institute for R&D in Physics and Nuclear Engineering - ELI-NP [01/01/2020 – Current]

City: Măgurele

Country: Romania

Responsible with the implementation work in the experimental area.

LANGUAGE SKILLS

Mother tongue(s):

Romanian

Other language(s):

Engleză

LISTENING C2 READING C2 WRITING C1

SPOKEN PRODUCTION C1 SPOKEN INTERACTION C1

Franceză

LISTENING B1 READING B1 WRITING A2

SPOKEN PRODUCTION A2 SPOKEN INTERACTION A2

ORGANISATIONAL SKILLS

Organisational skills

Capacity to coordinate technical teams or departments with technical responsibilities. Coordinator of research and infrastructure investment projects.



COMMUNICATION AND INTERPERSONAL SKILLS

Communication and interpersonal skills

Very good communications skills following the work stages in research institutions abroad, in presenting the research results in international scientific conferences and in coordinating large technical teams.

JOB-RELATED SKILLS

Job-related skills

Very good technical skills, the ability to efficiently solve problems, very good communication skills, very good leadership abilities, working well in stress conditions.

OTHER SKILLS

Other skills

Skills in any activity requiring technical abilities and the capacity of understanding the way a machine is working, down to the physical phenomenon.

INTERNATIONAL CONFERENCES AND SCIENTIFIC PUBLICATIONS

International Conferences and Scientific Publications

The list of publication and conferences can be found at: <http://www.nipne.ro/research/publications/338-publications.html#articles>

<https://scholar.google.ro/citations?user=vlTKWAEAAAJ&hl=ro>



R&D PROJECTS

R&D Projects

National Projects:

1. Project code: PN 16 42 02 01

Project Director

1.03.2016-present

2. Project Code: CRYLEADS

Project Director

15.09.2016-present

3. Cod proiect: ACCELTEST

Project Director

2014-2016

4. Cod proiect: PN 09 37 02 07

Project Director

1.01.2014-1.12.2015

5. Cod proiect: PN2/CAPACITATI MARI/7PM

Responsible of installation of 1 and 3 MV Tandetron accelerators commissioning

09.03.2010 - 31.12.2012

European Projects:

1. ELITRANS - project manager for IFIN-HH (2017-2019)