



## Dan Gabriel Ghiță

📍 **Home** : 14 Vointei street, 077025, Bragadiru, Ilfov, Romania

📍 **Work** : IFIN-HH, 30 Reactorului street, 077125, Măgurele, Romania

✉ **Email**: [dan.ghita@eli-np.ro](mailto:dan.ghita@eli-np.ro) ☎ **Phone**: (+40) 741122909

☎ **Phone**: (+40) 746126492 📞 **Skype**: dan.gabriel.ghita

🌐 **LinkedIn**: <https://www.linkedin.com/in/dan-gabriel-ghita-8ab7a547/>

**Gender**: Male **Date of birth**: 29/07/1979 **Nationality**: Romanian

### WORK EXPERIENCE

#### ***Horia Hulubei National Institute for R&D in Physics and Nuclear Engineering - ELI-NP***

**City**: Măgurele | **Country**: Romania

[ 01/01/2020 – Current ] **Engineer**

Integration of experimental set-ups for the experiments with high power lasers.  
Development and implementation of the vacuum systems necessary for performing the experiments with high power lasers.

***Horia Hulubei National Institute for R&D in Physics and Nuclear Engineering*** <http://tandem.nipne.ro>

**Address**: 30 Reactorului street, RO077125, Măgurele, Romania

[ 06/06/2016 – Current ] **Technical Development Engineer I (IDT I)**

Technical development activity for particle accelerators and experimental physics.

#### ***ESFRI - PSE SWG***

**City**: Bruxelles | **Country**: Belgium

[ 2016 – Current ] **Delegate in the Physical Science and Engineering Strategic Working Group at ESFRI**

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.

#### ***University "Politehnica" Bucharest***

**City**: Bucharest | **Country**: Romania

[ 2015 – Current ] **Associated Professor**

Teaching courses of particle accelerators physics and technology.

***Horia Hulubei National Institute for R&D in Physics and Nuclear Engineering - ELI-NP*** [www.eli-np.ro](http://www.eli-np.ro)

**Address**: 30 Reactorului street, RO077125, Măgurele, Romania

[ 01/01/2019 – 01/01/2020 ] **Engineer - Technical Division Coordinator**

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.

***Horia Hulubei National Institute for R&D in Physics and Nuclear Engineering - ELI-NP*** [www.eli-np.ro](http://www.eli-np.ro)

**Address:** 30 Reactorului street, RO077125, Magurele, Romania

[ 07/02/2017 – 31/12/2018 ] **Technical Director ELI-NP**

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.

***Horia Hulubei National Institute for R&D in Physics and Nuclear Engineering - ELI-NP*** [www.eli-np.ro](http://www.eli-np.ro)

**Address:** 30 Reactorului street, RO077125, Măgurele, Romania

[ 17/12/2015 – 07/02/2017 ] **Engineer**

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

***Horia Hulubei National Institute for R&D in Physics and Nuclear Engineering*** <http://tandem.nipne.ro>

**Address:** 30 Reactorului street, RO-077125, Măgurele, Romania

[ 01/11/2013 – 07/02/2017 ] **Head of Tandem Accelerator Department**

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.

***Horia Hulubei National Institute for R&D in Physics and Nuclear Engineering*** <http://tandem.nipne.ro>

**Address:** 30 Reactorului street, RO-077125, Măgurele, Romania

[ 01/06/2009 – 07/02/2017 ] **Technical Coordinator of the 9 MV Tandem Accelerator**

Coordinating the technical activities at the 9 MV Tandem Accelerator.

***Horia Hulubei National Institute for R&D in Physics and Nuclear Engineering*** [tandem.nipne.ro](http://tandem.nipne.ro)

**Address:** 30 Reactorului street, RO-077125, Măgurele, Romania

[ 05/10/2011 – 06/06/2016 ] **Scientific Researcher third degree (Junior Researcher)**

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

***In-Kind Review Board at Facility for Antiproton and Ion Research, GSI***

**City:** Darmstadt | **Country:** Germany

[ 2011 – 2014 ] **Delegate to the FAIR In-Kind Review Board**

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.

**Horia Hulubei National Institute for R&D in Physics and Nuclear Engineering** [h  
http://tandem.nipne.ro](http://tandem.nipne.ro)

**Address:** 30 Reactorului street, RO-077125, Măgurele, Romania

[ 01/03/2007 – 05/10/2011 ] **Scientific Researcher (Junior Researcher)**

Nuclear structure physics concentrated on nuclear structure research.

**Horia Hulubei National Institute for R&D in Physics and Nuclear Engineering** [h  
http://tandem.nipne.ro](http://tandem.nipne.ro)

**Address:** 30 Reactorului street, RO-077125, Măgurele, Romania

[ 01/12/2003 – 01/03/2007 ] **Research Assistant**

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

## EDUCATION AND TRAINING

[ 01/10/2003 – 01/03/2009 ] **PhD**

**University "Politehnica" Bucharest** [www.pub.ro](http://www.pub.ro)

**Address:** 313 Splaiul Independenței, RO-060032, Bucharest, Romania | **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.

[ 01/10/2003 – 01/07/2005 ] **Master Studies**

**University "Politehnica" Bucharest** [www.pub.ro](http://www.pub.ro)

**Address:** 313 Splaiul Independenței, RO-060032, Bucharest, Romania | **Field(s) of study:** Fizica laserilor | **Level in EQF:** EQF level 7

Laser physics and optical technologies

[ 01/10/1998 – 01/07/2003 ] **Bachelor of Science**

**University "Politehnica" Bucharest** [www.pub.ro](http://www.pub.ro)

**Address:** 313 Splaiul Independenței, RO-060032, Bucharest, Romania | **Field(s) of study:** Physics engineering | **Level in EQF:** EQF level 6

Physics Engineering - Electronics and Telecommunications Faculty

[ 15/09/1994 – 15/07/1998 ] **Baccalaureate**

**Constantin Carabella High-School** <https://www.carabella.ro>

**Address:** 58 Pârvan Popescu street, RO-130078, Târgoviște, Romania | **Field(s) of study:** Matematică și fizică | **Level in EQF:** EQF level 5

Mathematics and physics profile.

[ 03/01/2004 – 20/03/2004 ] **Physics and Technology of Particle Accelerators**

**Joint Universities Accelerator School** <http://www.esi-archamps.eu>

**Address:** Cite d'Archamps, Archamps, France | **Field(s) of study:** Physics and technology of particle accelerators | **Level in EQF:** EQF level 5

Particle Accelerators Physics and Technology Course.

[ 16/11/2013 – 29/11/2013 ] **CAD CATIA V5, V5R21**

**PRO MANAGEMENT SRL**

**City:** Bucharest | **Country:** Romania |

Computer Aided Design course in CATIA V5.

## LANGUAGE SKILLS

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**Mother tongue(s):** Romanian

**Other language(s):**

**Engleză**

**LISTENING** C2 **READING** C2 **WRITING** B1

**SPOKEN PRODUCTION** C1 **SPOKEN INTERACTION** C1

**Franceză**

**LISTENING** B1 **READING** B1 **WRITING** A2

**SPOKEN PRODUCTION** A2 **SPOKEN INTERACTION** A2

*Levels: A1 and A2: Basic user; B1 and B2: Independent user; C1 and C2: Proficient user*

## DRIVING LICENCE

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|--------------------|----|
| <b>Motorbikes:</b> | A  |
| <b>Cars:</b>       | B1 |
| <b>Cars:</b>       | B  |
| <b>Cars:</b>       | BE |

## JOB-RELATED SKILLS

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### 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

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### Other skills

Good technical knowledge, good ability to strategically plan a project in order to ensure its success.

## INTERNATIONAL CONFERENCES AND SCIENTIFIC PUBLICATIONS

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### International Conferences and Scientific Publications

The list of publication and conferences can be found at:

<https://www.researchgate.net/profile/Dan-Gabriel-Ghita>

and has more than 148 publications.

Citations 1.728

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## R&D PROJECTS

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### 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)

2. ERINS - project manager for IFIN-HH (2019-2020)

## COMMUNICATION AND INTERPERSONAL SKILLS

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### 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.

## ORGANISATIONAL SKILLS

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### Organisational skills

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