

Europass Curriculum Vitae



Personal information

First name(s) / Surname(s) **DOBRIN ION**
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 ROMANIA
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Nationality romanian

Date of birth 16.02.1956

Gender male

Desired employment / Occupational field

APPLIED SUPERCONDUCTIVITY AND CRYOGENICS IN ELECTRICAL ENGINEERING LABORATORY

Work experience

| | |
|---|--|
| Dates | 01.2016- present |
| Occupation or position held | Senior Researcher I, Head of Applied Superconductivity Laboratory |
| Main activities and responsibilities | Applied Research and Design, R&D Project management in HTS and LTS superconductivity applications in electrical engineering (superconducting electrical machines, and superconducting magnets for particles accelerator), low temperatures physical properties of materials measurement (electrical, magnetic and thermal properties), Cryogenics. |
| Name and address of employer | INCDIE ICPE-CA (National Institute for Research and Development in Electrical Engineering ICPE – CA), Splaiul Unirii 313, CP 030138, Sector 3, Bucharest. |
| Type of business or sector | Research and Development. |
| Dates | 09.2008- 12.2015 |
| Occupation or position held | Senior Researcher II |
| Main activities and responsibilities | Applied Research and Design, R&D Project management in HTS and LTS superconductivity applications in electrical engineering (superconducting electrical machines, and superconducting magnets for particles accelerator), low temperatures physical properties of materials measurement (electrical, magnetic and thermal properties), Cryogenics. |
| Name and address of employer | INCDIE ICPE-CA (National Institute for Research and Development in Electrical Engineering ICPE – CA), Splaiul Unirii 313, CP 030138, Sector 3, Bucharest. |
| Type of business or sector | Research and Development. |
| Dates | 10.2002-08.2008 |

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|--------------------------------------|---|
| Occupation or position held | Director |
| Main activities and responsibilities | Management activity, Specialty Training for staff, HR & marketing Manager. |
| Name and address of employer | SC Dren Company srl, str. Fagaras nr.15, Sect.1, Bucharest. |
| Type of business or sector | Electrical equipment authorized distributor USA. |
| Dates | 01.2000-10.2002 |
| Occupation or position held | Senior Researcher II |
| Main activities and responsibilities | Cryoelectrotechnics, medical applications of the cryogenics, cryogenic banks. |
| Name and address of employer | INCDIE ICPE-CA (National Institute for Research and Development in Electrical Engineering ICPE – CA), Splaiul Unirii 313, CP 030138, Sector 3, Bucharest. |
| Type of business or sector | Research and Development. |
| Dates | 09.1992-01.2000 |
| Occupation or position held | Senior Researcher III |
| Main activities and responsibilities | Cryoelectrotechnics. Measurement systems - design and realization - of the thermal properties of the materials at low temperatures. Cryogenics. |
| Name and address of employer | INCDIE ICPE-CA (National Institute for Research and Development in Electrical Engineering ICPE – CA), Splaiul Unirii 313, CP 030138, Sector 3, Bucharest. |
| Type of business or sector | Research and Development. |
| Dates | 09.1987-09.1992 |
| Occupation or position held | Scientific Researcher |
| Main activities and responsibilities | Measurement equipment for thermal conductivity of solids at low temperatures designing, realization and experimentation. |
| Name and address of employer | ICPE-SA (National Institute for Research and Development in Electrical Engineering), Splaiul Unirii 313, CP 030138, Sector 3, Bucharest |
| Type of business or sector | Research and Development. |
| Dates | 09.1985-09.1987 |
| Occupation or position held | Physicist engineer |
| Main activities and responsibilities | Low Temperature Applications in Superconductivity. Design, realization and experimentation of LTS superconducting magnets. Applied Cryogenics. |
| Name and address of employer | ICPE-SA (National Institute for Research and Development in Electrical Engineering), Splaiul Unirii 313, CP 030138, Sector 3, Bucharest |
| Type of business or sector | Research and Development. |
| Dates | 09.1983-08.1985 |
| Occupation or position held | Physicist engineer. |
| Main activities and responsibilities | Research & Development for electro – acoustical equipments, verifying – testing and perfecting the manufacturing technology. |
| Name and address of employer | Enterprise „Steaua Electrica” – Fieni, detached at Industrial Electronics Enterprise, Bucharest. |
| Type of business or sector | Electric light balls, electronics, electro-acoustic and electrotechnic equipment production. |
| Education and training | |
| Dates | 02.1992 – 02.1999 |
| Title of qualification awarded | Dr. Eng. with thesis „Studies referring to thermal conductivity of solids in the 77 ... 400 K range” |

Principal subjects/occupational skills covered Solid state physics, Materials Physics – thermal and Electrical Properties at low temperatures, Cryogenics, Measuring Methods of the physical properties of the solids, Measuring processes Metrology.

Name and type of organisation providing education and training Polytechnic University of Bucharest – Faculty of Electrical Engineering.

Dates **09.1978- 06.1983**

Title of qualification awarded Physicist engineer

Principal subjects/occupational skills covered Special Mathematics, Quantum physics, Molecular and Heat Physics, Atomic and Nuclear Physics, Nuclear Reactor Physics, Physics of Solids , Strength of Materials, Applied Electronics, Technical Drawing.

Name and type of organisation providing education and training University of Bucharest, Faculty of Physics.

Personal skills and competences

Mother tongue(s) **Romanian**

Other language(s) **English, French**

Self-assessment
European level ()*

English

French

| Understanding | | Speaking | | Writing |
|---------------|----------|--------------------|-------------------|----------|
| Listening | Reading | Spoken interaction | Spoken production | |
| Advanced | Advanced | Advanced | Advanced | Advanced |
| Advanced | Advanced | Advanced | Advanced | Advanced |

(*) [Common European Framework of Reference for Languages](#)

Social skills and competences - Team spirit (obtained as a result management of research teams and projects);
- Adaptability capacity to multicultural environments (obtained as a result experience of international seminars in country and abroad).
- A very good communication capacity, obtained as a result of coordinating experience of R&D Projects, of HR & marketing manager and trainer.

Organisational skills and competences - Organizational spirit obtained as a result of professional training.
- Project and Research Teams Management as well as trainer – staff training for obtaining communication and negotiating skills.

Technical skills and competences - Capacity to use devices, installations, complex equipment for measurement and control for scientific research in electrical engineering, cryogenics, superconductors, superconductors application in electrical engineering.
- Good knowledge of control and ensuring / quality certification systems (I participated to elaboration and implementation of a quality ensuring system in a Ltd., as well as certification courses in AC).

Computer skills and competences - Good knowledge of Microsoft Office instruments™ (Word™, Excel™ and PowerPoint™);
- Elementary knowledge of the computer Graphic applications (PBrush™), obtained in a professional and free time context.

Driving licence B category

Additional information

Annexes

List of papers

Signature

25.02.2018