



## Curriculum vitae Europass

### Personal information

Name / First name **Stoica, Victor**  
Address Aleea Uioara, nr. 4, ap. 53, Bucuresti, sector 4, Romania  
Phone number 021 346 72 31 Mobile: 0726 778 912  
Fax 021 346 82 99  
E-mail [victor.stoica@icpe-ca.ro](mailto:victor.stoica@icpe-ca.ro)  
Nationality Romanian  
Birth date 18.12.1979  
Gender Male

### Preferred job / Work field **Scientific researcher**

### Profesional experience

Period Nov 2015 – Jan 2018  
Occupation or position held Scientific researcher III (CS III)  
Main activities and responsibilities Study, design and testing conventional and superconducting electrical machines; inventions and patents counseling  
Employer INCDIE ICPE CA  
Type of business or sector Research – Development  
Period Jan 2006 – Oct 2015  
Occupation or position held Scientific research Asistent  
Main activities and responsibilities Study, design and testing electrical machines and electromagnetic and piezoelectric actuators  
Employer INCDIE ICPE CA  
Type of business or sector Research – Development

### Education and training

Period Oct 2012 – May 2017  
Qualification / Diploma PhD in Electrical engineering  
Disciplines studied / competences acquired Superconductivity, Electrical machines  
Name and type of educational institution Faculty of Electrical Engineering, UPB  
Period Oct 2005 – Jun 2007  
Qualification / Diploma Master Degree in Electrical engineering  
Disciplines studied / competences acquired Electrical machines, Magnetism  
Name and type of educational institution Faculty of Electrical Engineering, UPB  
Period Oct 1998 – Jun 2005  
Qualification / Diploma Electrical Engineer Bachelor Degree

Disciplines studied / competences acquired Electrical Engineering / Electrical Machines / Electric Measurements

Name and type of educational institution Faculty of Electrical Engineering, UPB

### Personal skills

Mother tongue Romanian

Other languages English

Autoevaluation

European level (\*)

### English language

Understanding				Speaking				Writing	
Listening		Reading		Spoken interaction		Spoken production			
C1	avansat	C1	avansat	C1	avansat	C1	avansat	C1	avansat

(\*) [Nivelul Cadrului European Comun de Referință Pentru Limbi Străine](#)

Communication skills Team spirit, concise, punctual

Technical skills Electrical engineering tests and experiments

Computer skills Microsoft Office, Microsoft Windows, Internet Explorer, Chrome, Mozilla Firefox, FEMM, AutoCAD

Other skills Organizational skills; Project Management Course  
Theme responsible of the project NUCLEU 5201 / 2009

Driver's licence No

### Additional information Scientific activities

Project	Degree	Project title	Financer	Period
<b>NATIONAL PROJECTS</b>				
NUCLEU 5201/2009	Theme responsible	Surse noi de energie Conversie si recuperare	ANCS	2009 – 2011

## Scientific activities – relevant papers in the field (last 5 years)

### ISI articles

1. L. PISLARU-DANESCU, A. MOREGA, G. TELIPAN, **V. STOICA**, "Nanoparticles of ferrofluid Fe<sub>3</sub>O<sub>4</sub> synthesised by coprecipitation method used in microactuation process", OPTOELECTRONICS AND ADVANCED MATERIALS – RAPID COMMUNICATIONS, Vol. 4, No. 8, August 2010, Pages: 1182 – 1186, ISSN: 1842-6573, Accession Number: WOS:000281734800030, (ISI WEB OF SCIENCE, ISI, impact factor in 2010= 0.477, SCOPUS).
2. A.M. Morega, M. Morega, L. Pîslaru-Dănescu, **V. Stoica**, F. Nouras, F.D. Stoian, "A Novel, Ferrofluid-Cooled Transformer. Electromagnetic Field and Heat Transfer by Numerical Simulation", 12<sup>th</sup> International Conference on Optimization of Electrical and Electronic Equipment, OPTIM 2010, 20-22 May, Basov, Romania, Proceedings of the International Conference on Optimisation of Electrical and Electronic Equipment (OPTIM 2010), art. No. 5510425, Pages: 140-146, ISSN: 1842-0133, Print ISBN: 978-1-4244-7019-8, Publisher: IEEE, DOI: [10.1109/OPTIM.2010.5510425](https://doi.org/10.1109/OPTIM.2010.5510425), Accession Number: WOS:000291967300016, (ISI WEB OF SCIENCE, IEEE Xplore, SCOPUS).
3. Morega AM, Morega M, Dumitru JB, Pîslaru-Dănescu L, **Stoica V**, "Magnetic and Electric Sizing of a Miniature Planar Spiral Transformer", International Conference and Exposition on Electrical and Power Engineering, EPE 2012, OCT 25-27, Iasi, ROMANIA, PROCEEDINGS OF THE 2012 INTERNATIONAL CONFERENCE AND EXPOSITION ON ELECTRICAL AND POWER ENGINEERING (EPE 2012), Pages: 654-659, Published: 2012, ISBN: 978-1-4673-1172-4, Print ISBN: 978-1-4673-1173-1, DOI: [10.1109/ICEPE.2012.6463572](https://doi.org/10.1109/ICEPE.2012.6463572), Accession Number: WOS:000324685300118, (ISI WEB OF SCIENCE, IEEE Xplore, SCOPUS).
4. Lucian Pîslaru-Dănescu, Alexandru M. Morega, Mihaela Morega, **Victor Stoica**, Oana Maria Marinică, Florica Nouras, Nicolae Păduraru, István Borbáth, and Tünde Borbáth, "Prototyping a Ferrofluid-Cooled Transformer", IEEE TRANSACTIONS ON INDUSTRY APPLICATIONS, Volume: 49, Issue: 3, Pages: 1289-1298, Published: MAY-JUN 2013, ISSN: 0093-9994, DOI: 10.1109/TIA.2013.2252872, Accession Number: WOS:000319152500033, (ISI WEB OF SCIENCE, ISI, impact factor in 2013=2,046, Impact factor: 1.657, IEEE Xplore, SCOPUS).
5. L. Pîslaru-Dănescu, A. M. Morega, **V. Stoica**, M. Morega, and I. Dobrin, "A New Electronic Active System for Protection to Quench Hazard in High Temperature Superconducting Coils", 9<sup>th</sup> International Symposium on Advanced Topics in Electrical Engineering, ATEE 2015, 7-9 May 2015, Bucharest, Romania, Proceedings of the International Symposium on Advanced Topics in Electrical Engineering (ATEE 2015), Pages: 692-697, ISBN: 978-1-4799-7514-3, ISSN: 2068-7966, DOI: 10.1109/ATEE.2015.7133889, (IEEE Xplore, SCOPUS).
6. Alexandru Morega, Ion Dobrin, Mihaela Morega, Adrian Nedelcu, **Victor Stoica**, „Proiectare și simulare numerică a unui electromagnet supraconductor dipolar, răcit prin conductie”, Proceedings of the 9<sup>th</sup> International Symposium on ADVANCED TOPICS IN ELECTRICAL ENGINEERING (ATEE 2015), MAY 7-9, 2015, Bucharest, Romania, ISBN 978-1-4799-7514-3, ISSN 2068-7966, Pages: 79 - 83, DOI: 10.1109/ATEE.2015.7133680.
7. L. Pîslaru-Dănescu, A. M. Morega, M. Morega, **V. Stoica**, "New Concept of Measurement Apparatus for the in situ Electrical Resistivity of Concrete Structures", 8<sup>th</sup> International Symposium on Advanced Topics in Electrical Engineering, ATEE 2013, 23-25 May 2013, Bucharest, Romania, Proceedings of the International Symposium on Advanced Topics in Electrical Engineering (ATEE 2013), Pages: 1-6, Print ISBN: 978-1-4673-5979-5, E-ISBN: 978-1-4673-5980-1, ISSN: 2068-7966, DOI: 10.1109/ATEE.2013.6563531, Accession Number: WOS:000332928500185, (ISI WEB OF SCIENCE, IEEE Xplore, SCOPUS).

#### Articles/studies published in BDI indexed publications

1. **Victor STOICA**, Lucian PIȘLARU-DĂNESCU, Ion DOBRIN, "Innovative Solutions of Making a Permanent Magnet Superconducting Electric Generator", EEA (ELECTROTEHNICĂ, ELECTRONICĂ, AUTOMATICĂ), Vol. 63, nr. 2, aprilie – iunie 2015, Pages: 95-101, ISSN: 1582-5175.
2. **Victor Stoica**, Ion Dobrin, Simona Apostol, Adrian Nedelcu, "HTS Superconducting Coils for Applications in Electrical Engineering", Buletin științific UPB, Seria C, Vol. 78, nr. 2, ISSN 2286-3540, 2016.

#### Articles/studies published in BDI indexed international publications of scientific events

1. M. Ignat, T. Paraschiv, I. C. Haraguta, **V. Stoica**, "Theoretical and technological aspects on the inverse structure in the fields of high speed electric machines", ICEM 2010, XIX International Conference on Electrical Machines, Rome, Italy, September 2010.

#### Articles/studies published in national publication of scientific events

1. Ion DOBRIN, Lucian PISLARU-DĂNESCU, **Victor STOICA**, "Superconducting Synchronous Motor Electric Drive", revista ELECTROTEHNICĂ, ELECTRONICĂ, AUTOMATICĂ, vol. 60 (2012), nr. 1, ianuarie – martie 2012, pg. 25 – 31.
2. Lucian PISLARU-DANESCU, **Victor STOICA**, Fabian NECULAE, „Instalație automatizată de afumare a produselor din carne crud uscate”, AUTOMATIZARI SI INSTRUMENTATIE, Nr. 2., 2011, pag. 14-15, ISSN 1582-3334.
3. Lucian PISLARU-DANESCU, **Victor STOICA**, Alexandru M. MOREGA, Mihaela MOREGA, Alina MACHEDON, Florica NOURAS, Nicolae PADURARU, „Transformator electric de medie putere si medie tensiune cu agent de racire nanofluid magnetic”, Simpozionul de mașini electrice SME'10, Bucuresti, 7-8 octombrie 2010, Proceedings CD, L-8, ISSN 1843-5912.

#### Awarded patents:

B 1. Nr. brevet: 128881/2014, "Instalație pentru protecția activă a bobinei supraconductoare la motoare supraconductoare", Autori: Pișlaru-Dănescu Lucian, Dobrin Ion, **Stoica Victor**, Lipan Laurentiu Constantin, Pisciă Ioana.

B 2. Nr. brevet: 128865/2014, „Senzor piezoelectric de măsurare a viscozității dinamice și circuit de măsurare”, Autori: Pișlaru-Dănescu Lucian, Pinteș Jana, Dumitru Alina Iulia, **Stoica Victor**, Oprina Gabriela, Băbutanu Corina Alice, Lipan Laurentiu Constantin, Pisciă Ioana.

B 3. Nr. brevet: 122509/2008, "Generator de puls electromagnetic", Inventatori: Ignat Mircea, Zarnescu George Claudiu, Pișlaru Danescu Lucian, Macamete Elena, Soltan Sebastian, **Stoica Victor**, Pușlea Ioan.

#### Patent applications:

1. CBI nr. A/00869/2017, „Recuperarea energiei termice degajate în procesul de frânare al unui trolie de foraj aparținând unei instalații de sapat sonde de titei și gaze naturale”, autori: Dobre Adrian, **Stoica Victor**, Marin Marcel Dorian.
2. CBI nr. A/00373/2016, „Ansamblu magnetic supraconductor pentru măsurarea momentelor magnetice”, autori: Ion Dobrin, Simona Emilia Apostol, Iuliu Romeo Popovici, Andrei Dobrin, Dan Enache, **Victor Stoica**.
3. CBI nr. A/01024/2013, „Generator electric supraconductor”, autori: Ion Dobrin, Lucian Pișlaru – Danescu, Iuliu Popovici, **Victor Stoica**, Adrian Nedelcu, Nicolae Tanase.
4. CBI nr. A 2011 01270, „Ansamblu magnetic supraconductor quadrupolar”, autori: Ion Dobrin, Adrian Nedelcu, Ionel Chiriță, Lucian Pișlaru – Danescu, **Victor Stoica**.
5. CBI nr. a 2012 00352, „Generator supraconductor de câmp magnetic intens”, autori: Ion Dobrin, Adrian Nedelcu, **Victor Stoica**, Nicolae Tanase, Daniel – Vasile Dan.

## Awards

1. Diploma de Excelență și Medalie de Aur, la Salonul Internațional al Cercetării, inovării și invenției PRO INVENT Cluj Napoca 2017, se acorda pentru invenția *Generator electric supraconductor*, autori: Dobrin Ion, Pislaru Danescu Lucian, Popovici Iuliu, **Stoica Victor**, Nedelcu Adrian, Tanase Nicolae.
2. Medalie de Aur la Salonul Internațional de Invenții - Barcelona 2017, pentru invenția *Generator electric supraconductor*, autori: Dobrin Ion, Pislaru – Danescu Lucian, Popovici Iuliu, **Stoica Victor**, Nedelcu Adrian, Tanase Nicolae.
3. Diploma de apreciere se acorda invenției cu titlul „Generator electric supraconductor” cu ocazia participării la Bursa Nationala a Invențiilor romanesti 2017, autori: Dobrin Ion, Pislaru – Danescu Lucian, Popovici Iuliu Romeo, **Stoica Victor**, Nedelcu Adrian, Tanase Nicolae.
4. Medalie de AUR, la a 16-a ediție a Salonului de invenții și inovații INVENTIKA, 15-18 OCTOMBRIE 2014, București, România, pentru brevetul: «Generator supraconductor de câmp magnetic intens», autori: DOBRIN Ion, NEDELICU Adrian, **STOICA Victor**, TĂNASE Nicolae, DAN Daniel-Vasile.
5. Medalie de ARGINT: THE BELGIAN AND INTERNATIONAL TRADE FAIR FOR TECHNOLOGICAL INNOVATION, Eureka!, BRUSSELS, 2014, pentru brevetul: «High magnetic field superconducting generator», autori: Dobrin Ion, Nedelcu Adrian, **Stoica Victor**, Tănase Nicolae, Dan Daniel-Vasile.
6. Diplomă de Excelență și Medalie de Aur la Salonul Internațional de Invenții PRO INVENT Cluj Napoca 2015, pentru invenția “Generator supraconductor de câmp magnetic intens”, autori: Ion Dobrin, **Victor Stoica**, Nicolae Tănase, Daniel-Vasile Dan.
7. Medalie de Bronz la Salonul Internațional de Invenții - Geneva 2015, pentru invenția “Générateur supraconducteur de champ magnétique”, autori: DOBRIN Ion, NEDELICU Adrian, **STOICA Victor**, TĂNASE Nicolae, DAN Daniel-Vasile.
8. Medalia de BRONZ la Salonul International de Inventii de la GENEVA, ELVETIA, 04 aprilie 2014, pentru brevetul: «Installation de protection active de la bobine supraconductrice dans les moteurs», autori: Pislaru-Dănescu Lucian, Dobrin Ion, **Stoica Victor**, Lipan Laurentiu Constantin, Pisciă Ioana.
9. Medalia de ARGINT la al 12<sup>th</sup> Salon International de Inventii ARCA – 2014, ZAGREB, CROATIA, OCTOMBRIE, 2014, pentru brevetul: «The plant for active protection of superconducting coil at superconducting motors», autori: Pislaru-Dănescu Lucian, Dobrin Ion, **Stoica Victor**, Lipan Laurentiu Constantin, Pisciă Ioana.
10. Medalia de ARGINT, la a 16-a editie a salonului de inventii si inovatii INVENTIKA, 15-18 OCTOMBRIE 2014, Bucuresti, Romania pentru brevetul: «Instalatie pentru protectia activa a bobinei supraconductoare la motoare supraconductoare», autori: Pislaru-Dănescu Lucian, Dobrin Ion, **Stoica Victor**, Lipan Laurentiu Constantin, Pisciă Ioana.
11. Medalie de argint: SALONUL INTERNATIONAL DE INVENTICA PRO INVENT, editia a VI-a, 2008, Cluj – Napoca, pentru: Grup de inventii.
12. Medalie de argint: Eureka, 24 November, 2007, THE BELGIAN AND INTERNATIONAL TRADE FAIR FOR TECHNOLOGICAL INNOVATION, PENTRU INOVATIA: “Pulse electromagnetic generator with an concentration field”, Autori: Ignat Mircea, Zarnescu George, Paslaru Dan, Macamete Elena, Zoltan Sebastian, **Stoica Victor**, Puflea Ioan.
13. Medalie de argint: INVENTIKA, 2-6 octombrie 2007, Bucuresti, Romania, pentru lucrarea: “Generator de puls electromagnetic cu concentrator de camp”, Autori: Ignat Mircea, Zarnescu George, Paslaru Dan, Macamete Elena, Zoltan Sebastian, **Stoica Victor**, Puflea Ioan;
14. Medalie de argint: SALONUL INTERNATIONAL DE INVENTICA PRO INVENT, editia a VI-a, 2008, Cluj – Napoca, pentru: Grup de inventii.

## Books:

1. Mircea IGNAT, Lucian PASLARU – DANESCU, Ioan PUFLEA, George ZARNESCU, **Victor STOICA**, Laurentiu CATANESCU, “ACTUATORI ELECTROMAGNETICI”, Editura Electra, 2008, ISBN 978-606-507-015-8.