

PERSONAL INFORMATION

Nastac Silviu - Marian



- ✉ silviu.nastac@unitbv.ro,
- 🌐 <https://www.brainmap.ro/profile/SILVIU-MARIAN-NASTAC>

Sex Male | Date of birth | Nationality Romanian

OCUPATIONAL AREA

High Level Education, Research-Development-Inovation

WORK EXPERIENCE

March 2001 - present

- Professor (2020 - present)
- Associate Professor (2014 - 2020)
- Lecturer (2006 - 2014)
- Assistant Professor (2001 - 2006)
- Head of Research Centre (2012 - present)
- Doctoral Advisor in Mechanical Engineering (2017 - present)

"Dunărea de Jos" University of Galați, Engineering and Agronomy Faculty in Brăila, Department of Engineering Sciences and Management
Str. Domneasca nr. 47, 800008, Galați, Romania, <http://www.ugal.ro>

- High Level Education, RDI activity, Management of research activity, Doctoral advisory

October 2017 - present

Professor

"Transilvania" University of Brașov, Faculty of Mechanical Engineering, Department of Mechanical Engineering
B-dul. Eroilor nr. 29, 500036, Brașov, Romania, <http://www.unitbv.ro>

- High Level Education, RDI activity

June 1998 - present

Research scientist

Research Institute for Equipments and Technologies in Construction - ICECON SA
Sos. Pantelimon, 266, Sector 2, Bucuresti, Romania, <http://www.icecon.ro>

- RDI activity

July 1996 - March 2001

Engineer

SC BRAICAR SA,
B-dul Independentei nr. 10 , 810011, Braila, Romania

- Urban Public Transportation

EDUCATION AND TRAINING

June 2017

Habilitation

University of Pitesti, Romania

- Dissertation: Dynamic Analysis regarding the Capability and Performances of Vibration Isolation Systems
- Habilitation for doctoral studies in Mechanical Engineering, assigned on the base of O.M. no. 4150/21.06.2017

8

August 2013	Certificate of completion - LabVIEW Core 1 National Instruments, USA ▪ Basic application development using LabVIEW software	5
2012 -2013	Certificate of linguistic proficiency - English Language (according C.E.C.R.L.) "Dunarea de Jos" University of Galati, Romania ▪ Continuous training system - proficiency level B2	5
2012 -2013	Specialization for "Quality Management in High Level Education" "Alexandru Ioan Cuza" University of Iasi, Romania ▪ QMS competences for high level education	5
September 2010	EAA Summer School Completion Certificate European Acoustics Association - EAA, Slovenian Acoustical Society - SDA ▪ Soundscape, Building acoustics and Numerical acoustics	5
March 2007	PhD in Mechanical Engineering with Cum Laude Honour "Dunarea de Jos" University of Galati, Romania ▪ Doctoral dissertation: Dynamic Analysis of the Vibration Isolation Systems Intended for Construction Embedded Equipments	8
2006	Senior Manager for Scientific Research "Politehnica" University of Bucharest, Romania (Management Agency for Scientific Research, Innovation and Technological Transfer - AMCSIT) ▪ Certification for scientific research projects management	5
2002 - 2004	Master of Science in Mechanical Engineering "Dunarea de Jos" University of Galati, Romania ▪ Specialization: Mechanics of Deformable Solids with Engineering Applications ▪ Dissertation: On Dynamic Behaviour of Elastic Systems for Vibration and Seismic Passive Isolation	7
2000 - 2002	Postgraduate Specialization in Informatics and Computer Technology "Dunarea de Jos" University of Galati, Romania ▪ ICT competences	7
1998	Research scientist Research Institute for Equipments and Technologies in Construction - ICECON SA, Bucharest, Romania ▪ Assigned on the base of the decision of ICECON Scientific Council and Decision no. 79/15.12.1998	6
1996 - 1997	Master of Science in Computational Engineering (in French Language) "Dunarea de Jos" University of Galati, Romania ▪ Specialization: Computational Analysis for Mechanical and Technological Processes ▪ Dissertation: Studies on Dynamic Behaviour of the Offshore Systems	7
1991 - 1996	Mechanical Engineer "Dunarea de Jos" University of Galati, Romania ▪ Specialization: Machines and Equipments for Construction ▪ Mechanical Engineering competences	6
PERSONAL SKILLS		
Mother tongue(s)	Romanian	

Other language(s)

	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken interaction	Spoken production	
English	B2	B2	B2	B2	B2
	Certificate of linguistic proficiency, Continuous training system, Proficiency level B2 (C.E.C.R.L.), "Dunărea de Jos" University of Galați, RO				
French	B1	B1	A2	A2	B1

Levels: A1/2: Basic user ; B1/2: Independent user; C1/2 Proficient user;
[Common European Framework of Reference for Languages](#)

Communication skills

- good communication skills (teaching activity, dissemination of RDI results on national/international conferences - public presentation),
- team working (member in various RDI teams),
- leadership (involved in academic and RDI management).

Organisational / managerial skills

- Member of Acoustics Commission within Technical Sciences Section of Romanian Academy (2020-present)
- Member of Scientific Research Council within „Dunărea de Jos” University of Galați (2020-present)
- Member of Department Council (2004-present), of Faculty Council (2004-present) and of Research Committee within Faculty Council (2008-present) - Department of Engineering Sciences and Management, Engineering and Agronomy Faculty in Braila, “Dunărea de Jos” University of Galați, RO
- Head of Research Centre for Mechanics of Machines and Technological Equipments, “Dunărea de Jos” University of Galați, RO (2012-present)
- Member of Scientific Council of Research Institute for Equipments and Technologies in Construction ICECON SA Bucharest, Romania (2014-present)
- Director/Executive manager for RDI projects:
 - Research Grant: Nonlinear behaviour analysis of the terrain - machine system within vibratory driving process of the construction elements into terrain(2003)
 - National Research-Development-Innovation Programm: Studies regarding composites modular elements in order to increase the shock resistance of the protective structures for construction equipments cabins (2006-2008)
 - Grant for Exploratory Workshops: Avdanced rheological modelling with micro- and macro-structural conception of rubber based composites systems for shock and vibration base isolation (2008)
 - National RDI Programm: Sesimic risk reduction using elastical and dissipative base isolation systems (2004-2006)
 - National RDI Programm: Device and system for seismic protection (2001-2003)
 - National RDI Programm: Phonoisolator modular screens for ensembling protective elements with adaptive geometry in order to reduce the airborne noise due to fixed and mobile sourses within constructions (2001-2003)
 - National RDI Programm: Insulation group with mixed damping, enabling modular conception, intended for dynamic isolation of bridges and viaducts against seismic loads (2014-2017)
- Associate Editor for International Journal of Acoustics and Vibration IJAV, ISSN 1027-5851, covered by WoS/Clarivate (2015-present)
- Editor of Romanian Journal of Acoustics and Vibration- RJAV, published by Romanian Society of Acoustics, covered by WoS/Clarivate (2004-2014)
- Editor of "Monitorul AROTEMA", journal published by Romanian Association for Technologies, Equipments, Mechanization and Agreement in Construction (2004-present)
- Associate Editor for Scientific Journals International, ISSN 1556-6757, Journal of Engineering, Computing & Architecture and Journal of Mechanical, Aerospace and Industrial Engineering (2009 - present)
- Member of International Scientific Committee within
 - The International Conference on Mechanics of Solids, Acoustics and Vibrations “Prof. P.P. Teodorescu” - ICMSAV, 2017, 2018, 2019
 - The International Conference on “Advanced Composite Materials Engineering” - COMAT, 2018, 2020
 - The International Conference “Experimental Mechanics in Engineering” - eMECH, 2018, 2020
 - The International Multi-Conference on Systems & Structures (SysStruc '19), 2019
 - The International Conference on Computational Mechanics and Virtual Engineering COMEC 2019, 2021

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- Chairman and Organizer of Mini-Symposium MS3 – New Trends in Passive Mitigation of Shocks and Vibration, within The 10th HSTAM International Congress on Mechanics, May 25th-27th, 2013, Chania, Crete, Greece
 - Co-Chairman and Co-Organizer of "Numerical Acoustics (FEM/BEM)", within The 1st EAA-EuroRegio 2010 Congress on Sound and Vibration, September 15-18 2010, Ljubljana, Slovenia
 - Co-Chairman and Co-Organizer of Special Session 5 (Stream 5) "Innovative Processes and Products" within The 5th International Vilnius Conference EURO-Mini Conference „Knowledge-Based Technologies and OR Methodologies for Strategic Decisions of Sustainable Development” KORSD-2009, September 30-October 3, 2009, Vilnius, Lithuania
 - Proceedings Editor and Member of local committee for National Symposium
 - Energy Dissipation – Acoustical, Vibratory and Seismic Processes, 2005,
 - Impact of Science and Technology on Acoustical Protective Systems, 2006,
 - Advances regarding Structures Analysis on Industrial and Seismic Dynamic Actions, 2006,
 - and Exploratory Workshop – Advanced rheological modelling with micro- and macro-structural conception of rubber based composites systems for shock and vibration base isolation, 2008.
 - Member of Reviewing Committee, Annals of DAAAM & Proceedings of the International DAAAM Symposium, ISI-Proceedings published by DAAAM International, Vienna, Austria, (2010 – present).
 - Member of Local Committee within The International Conferences on Acoustics and Vibration, Romanian Society of Acoustics, (2007 – 2011).
 - Chairman / Co-chairman of
 - Session "Robotics, Mechatronics, Biomechanics, Wear investigations of materials", Annual Symposium of the Institute of Solid Mechanics – SISOM 2011 And Symposium of Acoustics, Academy of Technical Sciences, Commission of Acoustics of Romanian Academy, May 26-27, Bucharest, Romania, (2011)
 - Session "System Dynamics and Continuum Mechanics", The Annual Symposium of the Institute of Solid Mechanics – SISOM and Session of the Commission of Acoustics, Romanian Academy, Academy of Technical Sciences, Commission of Acoustics of Romanian Academy, (2012, 2013, 2014)
 - Session "Mechanical Modeling and Experiment", The Annual Symposium of the Institute of Solid Mechanics – SISOM and Session of the Commission of Acoustics, Romanian Academy, Academy of Technical Sciences, Commission of Acoustics of Romanian Academy, (2018)
 - Section A within The 5th International Conference Computational Mechanics and Virtual Engineering – COMEC, Universitatea „Transilvania” din Braşov, (2013, 2015, 2017)
 - Session 7 – Vibrations V, The XIII-th Symposium Acoustics & Vibration of Mechanical Structures AVMS-2015, "Politehnica" University of Timisoara and Romanian Academy – Center for Fundamental and Advanced Technical Research, Timisoara, Romania, 28-29 May 2015
 - "Heat and Mechanics II" and "Fluids and Mechanics III" within The 5th IASME / WSEAS International Conference on Continuum Mechanics (CM'10), University of Cambridge, UK, February 23-25 2010.
 - "Fuzzy Systems. Optimization – Simulation" within The 10th WSEAS International Conference on Automation & Information (ICAI'09), Prague, Czech Republic, March 23-25, 2009.
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Job-related skills

- Competences on Mechanical Engineering, Computational Mechanics, Acoustics and Vibration, Experimental Techniques, Virtual Instrumentation, Computer Assisted Engineering, Hydraulic Systems
 - Research scientist within Research Centre for Mechanics of Machines and Technological Equipments – "Dunarea de Jos" University of Galati, RO
 - Research scientist within Research Institute for Equipments and Technologies in Construction – ICECON SA Bucuresti, RO
 - PhD Advisor within Mechanical Engineering Doctoral School at "Dunărea de Jos" University of Galați, RO
 - Member in National Register of Evaluators – Mechanical Engineering (C10), Romanian Agency for Quality Assurance in High Education – ARACIS
 - Expert evaluator within
 - European Commission Research & Innovation (EACEA, H2020), Id: EX2006C098211
 - European Cooperation in Science & Technology (COST)
 - National Science Fund, Scientific Research Fund, Bulgarian Ministry of Education and Science (2008, 2009)
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- o RDI National Programm PN-II, Romania (2007, 2008)
 - o RDI National Programm PN-III, Romania (2017)
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- Digital skills
- Proficient user (Postgraduate Specialization in ICT)
 - Good command of Computer Assisted Engineering software (Matlab/Simulink/SimScape, Maple, MSC-ADAMS, Comsol, Abaqus, Ansys)
 - Good command of Computer Assisted Design software (AutoCAD/Inventor)
 - Good command of Virtual Instrumentation software (LabVIEW, HBM-Catman)
 - Good command of Computer Programming Languages (VisualBasic, Pascal, C)
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- Other skills
- Radioamateur, 2nd Class, under the National Authority for Administration and Regulation in Communication, and member of the Sportive Club of Amateur Radio in Braila City, Romania, affiliated to Romanian Federation of Amateur Radio - FRR and International Amateur Radio Union - IARU

ADDITIONAL INFORMATION

- Publications
 - Presentations
 - Projects
 - Conferences
 - Seminars
 - Honours and awards
 - Memberships
- Invited articles at International Conferences - 4
 - Articles/in-extenso studies, published in journals within international databases main stream
 - articles covered by WoS/Clarivate - 16
 - articles covered by other major databases - 60 (Scopus - 18)
 - In-extenso publications within International Conferences
 - ISI-Proceedings (WoS/Clarivate) - 35
 - Proceedings covered by other major databases - 56 (Scopus - 36)
 - Other scientific contributions (without international databases covering) - 159
 - Books and book chapters - 13 (in Romanian - 10, in English - 3)
 - RDI projects
 - Projects within National RDI Programm - 17 (Director/Executive manager - 7; Team work member - 10)
 - Other research projects - 6 (Director/Executive manager - 1; Team work member - 5)
 - Honours and Awards
 - o CIS/EU Research Grant Program, (2006), awarded by Committee on International Research and Education (CIRE), Acoustical Society of America (ASA), for the project: Dynamic analysis of the vibration isolation systems for the construction included equipments
 - o Certificate of Excellence for best technical articles published in "Monitorul AROTEMA" Journal (2006)
 - o Gold Medal for the work "Bio-compozite Sandwich-Structures based on Cellulose Foam and Fibers for Acoustic Insulation Applications", awarded at Innovation and Research Show UGAL INVENT 2021
 - o Silver Medal for the work "Low Density Bio-materials based on Cellulose Foam and Fibers with Soundproofing Properties", awarded at Innovation and Research Show UGAL INVENT 2019
 - o Certificate of Excellence for the work "Low Density Bio-materials based on Cellulose Foam and Fibers with Soundproofing Properties", awarded by "Justin Capră" Association, at Innovation and Research Show - UGAL INVENT 2019
 - o Awarding Research Results/articles (uefiscdi.gov.ro): 1 art. (Q2) 2018, 4 art. (2-Q1, 2-Q2) 2019, 2 art. (1-Q1, 1-Q2) 2020, 1 art. (Q2) 2021
 - Memberships
 - o Gesellschaft für Angewandte Mathematik und Mechanik (International Association of Applied Mathematics and Mechanics) - GAMM, TU Darmstadt, Germany,
 - o International Institute of Acoustics and Vibration - IIAV, Auburn University, Auburn, USA,
 - o European Acoustics Association - EAA (prin Societatea Romana de Acustica, afiliere colectiva)
 - o World Academy of Science, Engineering and Technology - WASET, member of International Scientific Committee and Editorial Review Board on

- Mechanical and Mechatronics Engineering Committee
- o Romanian Association for Construction Technologies, Equipments, Mechanization and Agreement - AROTEMA - Founding Member and Member in General Management Council
 - o Romanian Society of Acoustics - SRA
 - o Romanian Society of Theoretical and Applied Mechanics - SRMTA
 - o Romanian Association for Tensiometry - ARTENS.
- Online databases/platforms for scientists
- ResearcherID: B-1562-2010 (<http://www.researcherid.com/rid/B-1562-2010>)
 - Scopus Author ID: 36806695400
(<http://www.scopus.com/inward/authorDetails.url?authorID=36806695400&partnerID=MN8TOARS>)
 - ORCID ID: orcid.org/0000-0001-7957-8339 (<http://orcid.org/0000-0001-7957-8339>)
 - Mendeley (<https://www.mendeley.com/profiles/silviu-nastac/>)
 - Google Academic (<https://scholar.google.ro/citations?user=vqwsougAAAAJ&hl=ro&oi=ao>)
 - ResearchGate (https://www.researchgate.net/profile/Silviu_Nastac)
 - BrainMap (<https://www.brainmap.ro/profile/SILVIU-MARIAN-NASTAC>)
 - ERRIS (<https://erris.gov.ro/MECMET>)

ANNEXES

- extended list of publications

Silviu-Marian NĂSTAC
January 2022

Signature:

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