



Curriculum vitae Europass



Personal information

First name(s) / Surname(s) **Diana-Alina, BISTRIAN**
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Nationality Romanian

Desired employment / Occupational field

Mathematician

Work experience

Dates	2018-present
Occupation or position held	Associate Professor
Dates	2014-2017
Occupation or position held	Lecturer
Dates	2002-2013
Occupation or position held	Assistant Professor
Dates	2000-2001
Occupation or position held	Assistant Professor
Main activities and responsibilities	Numerical Analysis/Numerical Methods, Special Mathematics, Finite Element Method in Engineering, Numerical Methods in Electrical Engineering. Applied Informatics.
Name and address of employer	POLITEHNICA University of Timisoara, Faculty of Engineering Hunedoara Str. Revolutiei, Nr. 5, Hunedoara, 331128, Romania
Type of business or sector	Higher education
Dates	1999-2000
Occupation or position held	Teacher of Mathematics
Main activities and responsibilities	Teaching Mathematics Grades V-VIII
Name and address of employer	School Nr.1 of Deva, Str. Lucian Blaga, Nr. 1, Romania
Type of business or sector	Primary school
Dates	1998-1999
Occupation or position held	Teacher of Mathematics
Main activities and responsibilities	Teaching Mathematics Grades V-VIII
Name and address of employer	School Andrei Saguna of Deva, Aleea Viitorului, Nr. 9, Romania
Type of business or sector	Primary school
Dates	1997-1998
Occupation or position held	Teacher of Mathematics
Main activities and responsibilities	Teaching Mathematics Grades IX-XII

Name and address of employer Industrial High School Ovid Densusianu Călan, 335300, Deva, Str. Ovid Densusianu, Nr. 5, Romania

Type of business or sector High school

Education and training

Dates 2007-2011

Title of qualification awarded Ph.D in Computers and Information Technology

Name and type of organisation providing education and training POLITEHNICA University of Timisoara

Dates 2000-2002

Title of qualification awarded Post - Graduate courses of COMPUTERS-IT

Principal subjects/occupational skills covered Bachelor in COMPUTERS-IT

Name and type of organisation providing education and training POLITEHNICA University of Timisoara

Dates 1993-1997

Title of qualification awarded Mathematician

Principal subjects/occupational skills covered Bachelor in Mathematics

Name and type of organisation providing education and training West University of Timisoara, Faculty of Mathematics and Computer Science

Personal skills and competences

Mother tongue(s) **romanian**

Other language(s)

Self-assessment

European level (*)

English

French

Understanding		Speaking		Writing
Listening	Reading	Spoken interaction	Spoken production	
C2	C2	C2	C2	C2
A2	A2	A2	A2	A2

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

Computer skills and competences Matlab, Mathcad, Latex, Word, Excel, PowerPoint.

Driving licence B Cat.

Scientific research domains

- Numerical analysis, Numerical methods
- Computational Fluid Dynamics (CFD)
- Reduced order modelling POD, DMD, DEIM
- Hydrodynamic stability, swirling flows
- Sensitivity analysis of dynamical systems
- Finite element methods, Spectral element methods
- Computational mathematics with applications.

Scientific publications

- Over 50 scientific publications in journals and conference proceedings.
- 5 publications in ISI journals ranked in the Mathematics area Q1
- 3 publications in ISI journals ranked in the Mathematics area Q2
- 8 books published in CNCSIS recognized publishing houses including five as first author
- A book published in a foreign academic publishing house, sole author.

Institutional responsibilities

- 2016 – present Scientific Secretary of Department of Electrical Engineering and Industrial Informatics, Politehnica University of Timisoara, Romania
- 2012 – present Member of the Board of the Department of Electrical Engineering and Industrial Informatics, Politehnica University of Timisoara, Romania

Organizer of international scientific meetings

- Organizer of „2013 - Symposium on Numerical Optimization Techniques for Mitigating the Hydrodynamic and Aerodynamic Turbulence with Applications”, within 11th International Conference of Numerical Analysis and Applied Mathematics ICNAAM2013, September 21-27, 2013, Rodos, Greece.
- Organizer of Student Scientific Symposium HD-41-STUD, Politehnica University of Timisoara, Faculty of Engineering Hunedoara, May 20-21, 2011, Hunedoara, România.
- Organizer of Student Scientific Symposium HD-47-STUD, Politehnica University of Timisoara, Faculty of Engineering Hunedoara, May 26-27, 2017, Hunedoara, România.
- Chairman at *International Conference on Applied Sciences ICAS2017*, Politehnica University of Timisoara, Faculty of Engineering Hunedoara, May 10-12, 2017, Hunedoara, România.

Commissions of trust

- Reviewer for Physics of Fluids (AIP Journal),
- Reviewer for Computers & Mathematics With Applications (Elsevier Journal),
- Reviewer for Aerospace Science and Technology (Elsevier Journal),
- Reviewer for International Journal for Numerical Methods in Engineering (Wiley Journal)
- Reviewer for European Journal of Mechanics/B Fluids (Elsevier Journal).
- Reviewer at 11th International Conference of Numerical Analysis and Applied Mathematics ICNAAM2013, ISI Proceedings, September 21-27, 2013, Rodos, Greece.
- Reviewer at 12th International Conference of Numerical Analysis and Applied Mathematics ICNAAM 2014, ISI Proceedings, September 22-28, 2014, Rodos, Greece.

Research scholarships and academic mobility grants

- 2014 – 2015 Research grant POSDRU/159/1.5/S/137070 (2014) of the Ministry of National Education, Romania, co-financed by the European Social Fund—Investing in People, within the Sectorial Operational Program Human Resources Development 2007-2013
- 2012 – 2013 Research scholarship Blended-learning training and modern educational technologies for higher education-DidaTec, Politehnica University of Timisoara, Romania
- 2010 Academic mobility grant CEEPUS CII-R3-0304-03-1011, University of Banja Luka, Bosnia & Hertegovina, 01.10.2010-31.10.2010.
- 2009 Academic mobility grant CEEPUS CII-R5-0304-01-0910, University of Banja Luka, Bosnia & Hertegovina, 01.11.2009-30.11.2009.

International collaborations

1. Michael I. Navon, Department of Scientific Computing, Florida State University, Professor Emeritus, Email: inavon@fsu.edu
2. Aleksey K. Alekseev, Moscow Institute of Physics and Technology, Moscow, Russia, Email: aleksey.k.alekseev@gmail.com
3. Christopher Pain, Department of Earth Science and Engineering, Imperial College London, UK, Email: c.pain@imperial.ac.uk
4. Valery Okulov, Department of Wind Energy. Technical University of Denmark, Email: vaok@dtu.dk
5. Jens Nørkær Sørensen, Department of Wind Energy. Technical University of Denmark, Email: jnso@dtu.dk