

## Europass Curriculum Vitae



### Personal information

First name(s) / Surname(s) **Romeo Florin SUSAN-RESIGA**

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Nationality Romania

Date of birth February 5, 1964

### Work experience

Dates	2003 - present
Occupation or position held	University Professor
Main activities and responsibilities	Courses in Fluid Mechanics and Hydraulic Machines, Numerical Methods in Hydrodynamics Director of the Research Center for Engineering of Systems with complex Fluids <a href="http://mh.mec.upt.ro/ccisfc/">http://mh.mec.upt.ro/ccisfc/</a> Director of the Doctoral Studies Council (2012 - present) PhD advisor (OM 1437/02.07.2007);
Name and address of employer	Politehnica University Timișoara, P-ța Victoriei No. 2, Timișoara, RO-300006, Romania
Dates	2002 - present
Occupation or position held	Senior Researcher 1 <sup>st</sup> degree (part time)
Main activities and responsibilities	Head of the Hydrodynamics and Cavitation Laboratory Coordination of Research Programmes and Projects in Hydraulic Machines
Name and address of employer	Romanian Academy – Timișoara Branch, Center for Advanced Research in Engineering Science <a href="http://acad-tim.tm.edu.ro/cctfa/">http://acad-tim.tm.edu.ro/cctfa/</a> , Bvd. Mihai Viteazu No. 24, Timișoara, RO-300223, Romania
Dates	1990 - 2003
Occupation or position held	Assistant Professor (1990-1995), Lecturer (1995-2000), Associate Professor (2000-2003)
Main activities and responsibilities	Courses/seminaries/laboratory in Fluid Mechanics and Hydraulic Machines, Numerical Methods in Hydrodynamics, Design of Hydraulic Machines and Systems Scientific research in numerical hydrodynamics, turbomachinery hydrodynamics, high-speed jets
Name and address of employer	Politehnica University Timișoara, P-ța Victoriei No. 2, Timișoara, RO-300006, Romania

Dates 2000 - 2002  
Occupation or position held Senior Researcher 2<sup>nd</sup> degree (part time)  
Main activities and responsibilities Research in Hydraulic Turbines and Hydrofoil Cascades  
Name and address of employer Romanian Academy – Timișoara Branch, Center for Advanced Research in Engineering Science  
<http://acad-tim.tm.edu.ro/cctfa/>, Bvd. Mihai Viteazu No. 24, Timișoara, RO-300223, Romania

Dates 1988 - 1990  
Occupation or position held Engineer  
Main activities and responsibilities Operation Steam and High Temperature Water Boilers, Timișoara-South Power Plant  
Name and address of employer Thermo-Electric Power Plant, Timișoara, Romania

### Education and training

Dates 1990 - 1996  
Title of qualification awarded PhD in Mechanical Engineering, Hydraulic machinery and systems  
Principal subjects/occupational skills covered PhD thesis “Hydrodynamics of High Speed Water Jets and Applications”, scientific adviser Prof. Ioan Anton, member of the Romanian Academy  
Name and type of organisation providing education and training “Politehnica” University of Timișoara, Romania

Dates 1983 - 1988  
Title of qualification awarded Bachelor’s Degree in Mechanical Engineering, Magna cum Laude  
Principal subjects/occupational skills covered Thermal Machines and Equipments specialization  
Name and type of organisation providing education and training “Politehnica” University of Timișoara, Romania

Dates 1978 - 1982  
Title of qualification awarded Baccalaureate mathematics-physics  
Principal subjects/occupational skills covered High school education with emphasis on mathematics and physics  
Name and type of organisation providing education and training High school for mathematics and physics “Decebal” Deva, Romania

Dates 20.08.1996-17.06.1997  
Title of qualification awarded Fulbright fellow, Visiting Researcher  
Principal subjects/occupational skills covered Unsteady Aerodynamics and Aeroacoustics, numerical simulation using domain decomposition and parallel computing  
Name and type of organisation providing education and training Notre Dame University, Indiana, U.S.A., Aerospace and Mechanical Engineering Dpt.

### Fellowships and training

Dates 01.07.1997-30.06.1998  
Title of qualification awarded Fulbright fellowship extension, Visiting Researcher  
Principal subjects/occupational skills covered Unsteady Aerodynamics and Aeroacoustics, numerical simulation using domain decomposition and parallel computing  
Name and type of organisation providing education and training Notre Dame University, Indiana, U.S.A., Aerospace and Mechanical Engineering Dpt.

Dates 01.07.1999 – 30.09.1999, 15.06.2000 – 15.09.2000  
Title of qualification awarded Postdoctoral Research Associate  
Principal subjects/occupational skills covered Unsteady Aerodynamics and Aeroacoustics, numerical simulation using domain decomposition and parallel computing  
Name and type of organisation providing education and training Notre Dame University, Indiana, U.S.A., Aerospace and Mechanical Engineering Dpt.

Dates	01.08.2001 – 30.09.2001, 01.08.2002 – 30.09.2002
Title of qualification awarded	Visiting Associate Professor
Principal subjects/occupational skills covered	Unsteady Aerodynamics and Aeroacoustics, numerical algorithms and parallel computing for near and far field aerodynamic noise computation
Name and type of organisation providing education and training	Notre Dame University, Indiana, U.S.A., Aerospace and Mechanical Engineering Dpt.
Dates	01.04.2003 – 30.04.2003, 01.04.2004 – 31.05.2004
Title of qualification awarded	Visiting Professor
Principal subjects/occupational skills covered	Turbomachinery swirling flows, stability of swirling flows in hydraulic turbines at off-design operating regimes
Name and type of organisation providing education and training	École Polytechnique Fédérale de Lausanne, Switzerland, Laboratory for Hydraulic Machines

### Personal skills and competences

Mother tongue(s) **Romanian**

		Understanding		Speaking				Writing	
		Listening	Reading	Spoken interaction		Spoken production			
Other language(s) <i>European level (*)</i>	<b>English</b>	C2	Mastery or proficiency	C2	Mastery or proficiency	C2	Mastery or proficiency	C2	Mastery or proficiency
	<b>French</b>	C1	Effective operational proficiency	C1	Effective operational proficiency	B1	Threshold or intermediate	B1	Threshold or intermediate

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

Membership in international professional associations	<ul style="list-style-type: none"> <li>➤ Member of the European Science Foundation – Physical and Engineering Science Committee, 2008 - present</li> <li>➤ Member of the Executive Committee, Division of Hydraulic Machinery and Systems, International Association of Hydro-Environment Engineering and Research (IAHR), 2004 – present, Chairman of the Workgroup on Cavitation and Dynamic Problems (2014-present)</li> </ul>
International Conferences Organizer	<ul style="list-style-type: none"> <li>➤ Chairman of the 25<sup>th</sup> IAHR Symposium on Hydraulic Machinery and Systems, Timișoara, 2010, <a href="http://acad-tim.tm.edu.ro/iahr2010/">http://acad-tim.tm.edu.ro/iahr2010/</a>, editor of the proceedings in the IOP Conference Series: Earth and Environmental Science, <a href="http://iopscience.iop.org/1755-1315/12/1">http://iopscience.iop.org/1755-1315/12/1</a></li> <li>➤ Chairman of the 2<sup>nd</sup> IAHR International Meeting of the WorkGroup on Cavitation and Dynamics Problems in Hydraulic Machinery and Systems, Timișoara, 2007, <a href="http://mh.mec.upt.ro/iahrwg2007/">http://mh.mec.upt.ro/iahrwg2007/</a></li> <li>➤ Organizer and proceedings editor of the 6<sup>th</sup> International Conference on Hydraulic Machinery and Hydrodynamics HMH2004, Timișoara, 2004, <a href="http://mh.mec.upt.ro/hmh2004/">http://mh.mec.upt.ro/hmh2004/</a></li> </ul>
PhD thesis advisor	<ul style="list-style-type: none"> <li>➤ Bosioc A.I. (2011), Bistriean D. (2011), Tănasă C. (2012), Moisă I. (2013), Ciocan T. (2014), Ighișan C. (2015), Totorean A. (2016), Popescu C. (to be defended 2017)</li> </ul>

Management experience	<ul style="list-style-type: none"> <li>➤ Adviser for the President of the National Authority for Scientific Research, June-Dec. 2012</li> <li>➤ Adviser for the Secretary of State in charge with research-development and innovation within the Ministry of National Education, Jan. 2013 – April 2015.</li> <li>➤ Adviser for the Ministry of National Education and Scientific Research, Nov. 2015 – Jun. 2016.</li> <li>➤ Director of the Research Center for Engineering of Systems with complex Fluids, Politehnica University Timișoara, 2002-present.</li> <li>➤ Director of Doctoral Studies Council, Politehnica University Timișoara, 2012 – present.</li> <li>➤ Member of the Romanian National University Research Council (CNCSIS), 2007-2011, Chairman of the Engineering Sciences Committee.</li> </ul>
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