

Europass Curriculum Vitae



Personal information

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

Address(es) Timiș str., No. 18, RO-300650, Timișoara, Romania

Telephone(s) +40-256-403689 **Mobile:** +40-746-155202

Fax(es) +40-256-403692

E-mail resiga@mh.mec.upt.ro; resiga@acad-tim.tm.edu.ro

Nationality Romania

Date of birth February 5, 1964

Desired employment **Director of the Council for Doctoral Studies
"Politehnica" University of Timișoara**

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 http://mh.mec.upt.ro/ccisfc/ PhD advisor (OM 1437/02.07.2007)
Name and address of employer	"Politehnica" University of Timișoara, P-ța Victoriei No. 2, Timișoara, RO-300006, Romania
Dates	2002 - present
Occupation or position held	Senior Researcher 1 st 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 http://acad-tim.tm.edu.ro/cctfa/ , Bvd. Mihai Viteazu No. 24, Timișoara, RO-300223, Romania
Dates	2012 - present
Occupation or position held	Advisor for the President of the National Authority for Scientific Research (part time)
Main activities and responsibilities	Policy for Scientific Research, Development and Innovation
Name and address of employer	National Authority for Scientific Research, Mendeleev Str., No. 21-25, RO-010362, District 1, Bucharest
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 of Timișoara, P-ța Victoriei No. 2, Timișoara, RO-300006, Romania

Dates 2000 - 2002
Occupation or position held Senior Researcher 2nd 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.

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**

Other language(s)

Self-assessment

European level (*)

English

French

Understanding				Speaking				Writing	
Listening		Reading		Spoken interaction		Spoken production			
C2	Mastery or proficiency	C2	Mastery or proficiency	C2	Mastery or proficiency	C2	Mastery or proficiency	C2	Mastery or proficiency
C1	Effective operational proficiency	C1	Effective operational proficiency	B1	Threshold or intermediate	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"> ➤ Member of the Romanian National University Research Council (CNCSIS), 2007-2011, Chairman of the Engineering Sciences Committee ➤ Member of the European Science Foundation – Physical and Engineering Science Committee, 2008 - present ➤ Member of the Executive Committee, Division of Hydraulic Machinery and Systems, International Association of Hydro-Environment Engineering and Research (IAHR), 2004 – present
International Conferences Organizer	<ul style="list-style-type: none"> ➤ Chairman of the 25th IAHR Symposium on Hydraulic Machinery and Systems, Timișoara, 2010, http://acad-tim.tm.edu.ro/iahr2010/, editor of the proceedings in the IOP Conference Series: Earth and Environmental Science, http://iopscience.iop.org/1755-1315/12/1 ➤ Chairman of the 2nd IAHR International Meeting of the WorkGroup on Cavitation and Dynamics Problems in Hydraulic Machinery and Systems, Timișoara, 2007, http://mh.mec.upt.ro/iahrwg2007/ ➤ Organizer and proceedings editor of the 6th International Conference on Hydraulic Machinery and Hydrodynamics HMM2004, Timișoara, 2004, http://mh.mec.upt.ro/hmh2004/
PhD thesis advisor	<ul style="list-style-type: none"> ➤ Bosioc A.I. (2011), Swirling flow control in the draft tube cone of hydraulic turbines, OM EdCTS 4387/06.06.2011. ➤ Bistriean D. (2011), Mathematical Models and Numerical Algorithms for Stability Investigation of Swirling Hydrodynamic Systems, co-advisor with Prof. G. Savii, OM EdCTS 4387/06.06.2011. ➤ Tănăsă C. (2012), Flow-feedback for mitigating the pressure fluctuations in the discharge cone of hydraulic turbines, OM EdCTS 3818/26.04.2012.
Driving licence	Romanian driving licence B – category (vehicles under 3,500 kg authorized mass)
Additional information	Married, two children (Irina, born in 1989, and Răzvan, born in 2009)