Europass Curriculum Vitae

Personal information

First name(s) / Surname(s)	**NORBERTO MARCELO NIGRO**
Address(es)	**Macia 4031 3016, Santo Tome, Santa Fe, Argentina**
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E-mail	**nnigro@intec.unl.edu.ar**
Nationality	**Argentina**
Date of birth	**September 4th 1958**
Gender	**Male**
Occupational field	**Computational Mechanics , Mechanical Engineering in Automotive, Finite Element Analysis, Computational Fluid Dynamics, Software Development for Engineering Applications**

Work experience

Dates	**Since 1995 and continue**
Occupation or position held	**Scientific Researcher**
Main activities and responsibilities	**Scientific Team Leader, manage scientific and industrial projects, industrial problems consulting**
Name and address of employer	**National Council of Scientific and technological Research (CONICET), Rivadavia 1917 Buenos Aires**
Type of business or sector	**Public Institution**
Dates	**Since 2006 and continue**
Occupation or position held	**Associate Professor**
Main activities and responsibilities	**Teaching at undergraduate and graduate levels**
Name and address of employer	**Universidad Nacional del Litoral – Facultad de Ingeniería y Ciencias Hídricas, Colectora Ruta 168, Ciudad Universitaria, Santa Fe**
Type of business or sector	**Public Institution**
Dates	**Since 1997 until 2006**
Occupation or position held	**Assistant Professor**
Main activities and responsibilities	**Teaching at undergraduate**
Name and address of employer	**Universidad Nacional de Rosario – Escuela de Ingeniería Mecánica, Berutti 2109, Rosario**

Type of business or sector	**Public Institution**
Dates	**Since 1992 until 1996**
Occupation or position held	**Scientific Researcher**
Main activities and responsibilities	**Software Development**
Name and address of employer	**Universidad Tecnológica Nacional – Facultad Regional Santa Fe , Lavaise 610 , Santa Fe**
Type of business or sector	**Public Institution**
Dates	**Since 1989 until 1992**
Occupation or position held	**Teaching assistant**
Main activities and responsibilities	**Assistance of Teaching at undergraduate level**
Name and address of employer	**Universidad Nacional del Litoral– Facultad de Ingeniería Química – Dept. Matemáticas, Santiago del Estero 2829, Santa Fe**
Type of business or sector	**Public Institution**
Dates	**Since 1987 until 1988**
Occupation or position held	**Mechanical Engineer – Junior**
Main activities and responsibilities	**Engineering Designer of off-road vehicles and mechanical equipment for petroleum companies**
Name and address of employer	**SADE – Perez Companc -**
Type of business or sector	**Private Enterprise – Large electromechanical equipment**
Dates	**Since 1986 until 1987**
Occupation or position held	**Mechanical Engineer – Junior**
Main activities and responsibilities	**Product Definition of automotive industry**
Name and address of employer	**SEVEL Argentina,(Fiat-Peugeot), Planta Palomar,**
Type of business or sector	**Private Enterprise – Automotive Production**

Education and training

Dates	**1994- 1995**
Title of qualification awarded	**Postdoctoral Studies**
Principal subjects/occupational skills covered	**Trainee in High Performance Computing - Supercomputing**
Name and type of organisation providing education and training	**Minnesota Supercomputer Institute, 1200 Washington Ave, South, Minneapolis, 55454, USA**
Dates	**1988- 1994**
Title of qualification awarded	**Doctoral Studies**
Principal subjects/occupational skills covered	**PhD thesis in Computational Fluid Dynamics**
Name and type of organisation providing education and training	**INTEC, Guemes 3450, 3000 Santa Fe, Argentina**
Dates	**1979- 1985**
Title of qualification awarded	**Mechanical Engineer**
Principal subjects/occupational skills covered	**Mechanical analysis and design, Installation of thermal power plants and equipment,**
Name and type of organisation providing education and training	**Universidad Tecnológica Nacional, Facultad Regional Buenos Aires, Buenos Aires, Argentina**

Personal skills and competences

Mother tongue(s)	**Spanish**
Other language(s)	

Self-assessment	Understanding		Speaking		Writing
European level (*)	Listening	Reading	Spoken interaction	Spoken production	

Language English	B1	Independent user	B2	Independent user	B1	Independent user	B1	Independent user	B1	Independent user
Language Italian	B1	Independent user	B2	Independent user	B1	Independent user	B1	Independent user	B1	Independent user

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

Social skills and competences	Communicational skills learned thanks to teaching activities, research in groups and industrial consulting. As tutor of several final projects to get undergraduate university degree. Eventual soccer player in several teams. Participation in several committees for evaluating human resources and institutional activities.
Organisational skills and competences	Organizational skills got through several scientific and industrial projects management. Organization of seminars, congresses and scientific events. Secretary of Argentinian Association of Computational Mechanics. Member of committees of project evaluation.
Technical skills and competences	More than 50 papers published in several international indexed journals, more than 80 papers in national and international congress proceedings. Director of 3 finished PhD theses and 1 finished Master thesis. Fields of scientific production: Computational Mechanics, Computational Fluid Dynamics, Internal Combustion Engines, Mathematical modelling. An award for an innovative technological product (INNOVAR 2008 & WIPO). One patent published INPI P-070103318, 26/07/2007. About 20 finished consulting projects with national industries (steelmakers, petroleum, nuclear, mechanical)
Computer skills and competences	Software developer in Matlab, Fortran, C++ in serial and parallel architectures using OpenMP, MPI Manage of Linux, Fluent, OpenFOAM, Modelica, GiD, SolidWork and PC tools in general. Developer of PetscFEM (http://www.cimec.org.ar/petscfem) and ICESym http://code.google.com/p/icesym
Artistic skills and competences	Chorius Singer, baritone.
Driving licence	Category B: cars and vans
Additional information	**For references:** • Professor Sergio Rodolfo Idelsohn Barg, - http://es.wikipedia.org/wiki/Sergio_Idelsohn Sergio@cimne.upc.es, Instituciò Catalana de Recerca i Estudis Avancats (ICREA) , Centro Internacional de Mètodos Computacionales en Ingenieria (CIMNE), Gran Capita s/n, 08034, Barcelona , Spain, Phone:: +34 93 401 1829 • Professor Gino Bella, Università di Roma "Tor Vergata"Dipartimento di Ingegneria Meccanica Meccanica, Facoltà di Ingegneria, Phone: +39 06 72597172, gino.bella@gmail.com • Professor Tayfun Tezduyar, , http://www.tafsm.org/~tezduyar/, Rice University, 6100 Main Street Houston, TX 77005, Phone: +17133486051, tezduya@rice.edu For more details visit : http://venus.santafe-conicet.gov.ar/twiki/bin/view/Cimec/NorbertoNigro