

Curriculum Vitae

Personal information

Surname / First name **Fanelli Pierluigi**

Address

Telephone

E-mail

Nationality **Italian**

Date of birth **27/07/1983**

Gender **Male**

Work experience

Dates	10/2012 to present
Occupation or position held	Senator
Main activities and responsibilities	Delegate of fixed-term assistant professors
Name and address of employer	University of Viterbo "La Tuscia" Largo dell' Università 1, 00133 Roma
Type of business or sector	University, Research
Dates	05/2012 to present
Occupation or position held	Assistant Professor
Main activities and responsibilities	Structural analysis of space-frames for automotive applications, professor at courses of Solids Mechanics, Mechanical Design and Machine Design
Name and address of employer	University of Viterbo "La Tuscia" Largo dell' Università 1, 00133 Roma
Type of business or sector	University, Research
Dates	11/2010 to 05/2012
Occupation or position held	Temporary Research Fellow
Main activities and responsibilities	Structural analysis of space-frames for automotive applications
Name and address of employer	University of Rome "Tor Vergata" Via del Politecnico 1, 00133 Roma
Type of business or sector	University, Research
Dates	09/2009 to 04/2013
Occupation or position held	External Consultant for Stress Analyses
Main activities and responsibilities	Structural Engineering and FEM calculations of equipments for energy and process plants
Name and address of employer	Eleo2 Engineering
Type of business or sector	Engineering and Consulting services in thermal, mechanical, structural design of equipments for energy and process plants
Dates	06/2008 to 08/2010
Occupation or position held	Professor
Main activities and responsibilities	Mathematics and Physics Professor

Name and address of employer Liceo Classico Statale "M.T.Cicerone"
Via Fontana Vecchia 2, 00044 Frascati RM

Type of business or sector Senior High School

Education and training

Dates 11/2007 to 06/2011
 Title of qualification awarded Philosophy Doctor in Mechanical System Design
 Principal subjects covered Mechanical design, FEM analysis and calculations
 Name and type of organisation providing education and training University of Rome "Tor Vergata"
Via del Politecnico 1, 00133 Roma

Dates 01/2005 to 05/2007
 Title of qualification awarded Doctor in Mechanical Engineering – Master's degree – 110 cum laude
 Principal subjects covered FEM analysis and calculations, Vehicles
 Name and type of organisation providing education and training University of Rome "Tor Vergata"
Via del Politecnico 1, 00133 Roma

Dates 09/2001 to 01/2005
 Title of qualification awarded Doctor in Mechanical Engineering – Bachelor's degree – 110 cum laude
 Principal subjects covered FEM analysis and calculations, Prototyping and Design
 Name and type of organisation providing education and training University of Rome "Tor Vergata"
Via del Politecnico 1, 00133 Roma

Personal skills and competences

Mother tongue(s) Italian

Other language(s)

Self-assessment
European level (*)

English

French

Understanding				Speaking				Writing	
Listening		Reading		Spoken interaction		Spoken production			
C1	Proficient User	C2	Proficient User	C1	Proficient User	C1	Proficient User	C1	Proficient User
B2	Independent User	B1	Independent User	B2	Independent User	B1	Independent User	B1	Independent User

(*) Common European Framework of Reference for Languages

Social skills and competences Team spirit (gained at university and in team sport as sailing regattas), ability to work in interdisciplinary ambient (gained through university research experience), ability to adapt in multicultural ambient (gained through AFS Intercultural experiences).

Organisational skills and competences Leadership (currently responsible of teams in university projects), sense of organization, easiness in problem solving.

Computer skills and competences OS: Windows 95/98/2000/XP/7 and Office tools
Engineering Softwares: AutoCad, Ansys, Solidworks, Maple, Femap, Nastran, LS-Dyna, Deform3d, Mechanical Desktop, Grapher, Origin, Matlab, MathCad, 3ds Max, Catia, Pro-E

Artistic skills and competences Study of piano (15 years), singing in a choir

Other skills and competences Sports frequently played: tennis, basketball, football, sailing, ski, badminton
ESOL exams of University of Cambridge: First Certificate and Certificate in Advanced English

Additional information

Publications

- International Journal of Solids and Structures, Vol. 46, No. 3-4, 572-586, 2009. **A new analytical model for the elastic-plastic behaviour of spot welded joints subjected to orthogonal load**
Vivio F., Fanelli P.
- Workshop sulla Fatica delle Giunzioni Saldature Forni di Sopra (UD), 2009. **Un criterio generale per la valutazione della durata a fatica di strutture saldate a punti**
Fanelli P., Vivio F., Vullo V.
- Atti XXXVIII Convegno AIAS, Torino, 2009. **Influenza delle Condizioni di Vincolo sul Modello Analitico del Comportamento Elasto-Plastico di Strutture Saldate a Punti**
Fanelli P., Vivio F.
- Atti XXXVIII Convegno AIAS, Torino, 2009. **Sull' Influenza delle Caratteristiche Geometriche e della Zona Termicamente Alterata sul Comportamento Elasto-Plastico di Giunzioni Saldate per Punti**
Donati C., Fanelli P., Vivio F., Vullo V.
- SAE International Journal of Materials and Manufacturing, Vol. 2, No. 1, pp. 30-39, 2009. **A Theoretical Model for the Elastic-Plastic Behaviour of Spot Welded Joints**
Vivio F., Fanelli P.
- Workshop IGF - Problematiche di Frattura nei Materiali per l'Ingegneria, ISBN 978-88-95940-29-8, Forni di Sopra (UD), 2010. **Simulazione del fronte di plasticizzazione in un nuovo modello analitico del comportamento elasto-plastico di giunzioni saldate a punti**
Fanelli P., Vivio F., Vullo V.
- Atti XXXIX Convegno AIAS, Maratea, 2010. **Caratterizzazione analitica del fronte di plasticizzazione in strutture saldate per punti**
Fanelli P., Vivio F.
- Atti XXXIX Convegno AIAS, Maratea, 2010. **Caratterizzazione numerica e sperimentale di friction stir spot welds in alluminio 6082-t6**
Fanelli P., Vivio F., Vullo V.
- Atti 33° Convegno Nazionale AIM, 2010. **Caratterizzazione microstrutturale e modellazione di giunti saldati per Friction Stir Spot Welding in lega di Alluminio 6082**
Fanelli P., Montanari R., Rovatti L., Ucciardello N., Vivio F., Vullo V.
- La Metallurgia Italiana, n.4, 2011. **Caratterizzazione microstrutturale e modellazione di giunti saldati per Friction Stir Spot Welding in lega di Alluminio 6082**
Fanelli P., Montanari R., Rovatti L., Ucciardello N., Vivio F., Vullo V.
- Engineering Fracture Mechanics, Volume 81, pp. 17-25, 2012. **Experimental and numerical characterization of Friction stir spot welded joints**
Fanelli P., Vivio F., Vullo V.
- Atti XXXXII Convegno AIAS, Salerno 2013. **Analisi del comportamento elasto-plastico e del fronte di plasticizzazione di una giunzione saldata per punti**
Fanelli P., Fino A., Vivio F.
- Theoretical and Applied Fracture Mechanics, 2014, Vol. 74, pp. 48-54. **Analytical characterization of plastic flow in spot welded joints**
Fanelli P., Vivio F.
- Procedia Engineering, 2014, vol. 81, p. 2086-2091. **Influence of Joint Geometry on Micro and Macro Mechanical Properties of Friction Stir Spot Welded Joints**
G Buffa, P Fanelli, L Fratini, F Vivio
- International Journal of Mechanical Sciences, 2015, Volume 90, Pages 122-132. **Analysis of elastic-plastic behavior and of plastic front evaluation in spot welded joints**
Fanelli P., Fino A., Vivio F.
- Proceedings of the ASME ESDA2014, 2014, vol.1. **Theoretical and numerical analysis of failure mode and static strength of fssw joint in aluminum alloy**
Fanelli P., Vivio F., Vullo V.,
- International Conference of Numerical Analysis and Applied Mathematics, ICNAAM 2014, 2015. AIP Conference Proceedings, 1648. **Influence of Non-Axisymmetric Material Anisotropy on FSSW Static Strength**
Fanelli P., Vivio F.
- International Conference of Numerical Analysis and Applied Mathematics, ICNAAM 2014, 2015. AIP Conference Proceedings, 1648. **Modelling Spot Welded Joints in elastic-plastic field**
Fanelli P., Vivio F.

Mechanical Research and Communications, 2015, Volume 69, Pages 122-132. A general formulation of an analytical model for the elastic-plastic behaviour of a spot weld finite element
Fanelli P., Vivio F.

Atti XXXIV Convegno AIAS, Messina, 2015. Trattamento per incrementare le proprietà smorzanti di schiume metalliche a celle aperte
Marotta E., Salvini S., Trotta A., Vivio F., Fanelli P.

date
01/07/2016

V. T. 2016

P. Fanelli