GALVANETTO UGO

Recapiti

Posta elettronica	ugo.galvanetto@unipd.it
Struttura	Dipartimento di Ingegneria Industriale (DII)
Telefono	0498276817
Qualifica	Professore ordinario
Settore scientifico	ING-IND/04 - COSTRUZIONI E STRUTTURE AEROSPAZIALI
Rubrica di Ateneo	Visualizza

Proposte di tesi

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Tutte tesi magistrali
Calcolo strutturale di elementi di protezione personale
Calcolo strutturale di strutture aerospaziali col metodo degli elementi finiti.
Utilizzo della peridynamics nel calcolo strutturale.
Affidabilità strutturale.
Dinamica non lineare e caos.
Problemi di impatto strutturale.
Valutazione di impatti su veicoli spaziali col metodo della SEA (statistical energy
analysis).
Aeroelasticità.
Stabilità delle strutture.

Master thesis
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FEM calculations of items of Personal Protective Equipment (PPE) such as helmets, back protectors ...
FEM calculations of aerospace structures.
Peridynamics: a new computational method.
Structural reliability and design.
Nonlinear dynamics and chaos.
Structural impact.
Statistical energy analysis applied to destructive impacts on spacecraft.
Aeroelasticity.
Structural stability.

Curriculum Vitae

Full Name and Title: Ugo Galvanetto, Prof.

Work experiences
From July 08 Professor of Aircraft Structures in the Department of Industrial Engineering of the University of Padua, Italy.

October 07-June 08 Reader in Nonlinear Applied Mechanics in the Department of Aeronautics, Imperial College of Science, Technology and Medicine, London UK.

October 04-September 07 Senior lecturer in the Department of Aeronautics, Imperial College of Science, Technology and Medicine, London UK.

March 99-October 04 Lecturer in the Department of Aeronautics, Imperial College of Science, Technology and Medicine, London UK.

December 94-March 99 Lecturer in the Department of Structural and Transportation Engineering of the University of Padua, Italy.

October 93-November 94 Research Associate in the Department of Aeronautics of the Imperial College of Science, Technology and Medicine.

Ugo Galvanetto’s main research fields are:
• Computational mechanics applied to various problems of advanced composite materials such as delamination and impacts. Peridynamics.
• Application of the methods of non-linear dynamics to the analysis, control and damage detection of mechanical and structural systems.
• Design and innovation of items of personal protective equipment (helmets, neck protectors, back protectors ...) in collaboration with Dainese SpA and D-Air-Lab.

His research activities have been sponsored by the EU, Royal Society, Royal Academy of Engineering, EPSRC and industry. He is often required to act as a referee by prestigious scientific international journals, international conferences and funding bodies. He published more than fifty papers in international journals and his contributions have been presented to more than seventy conferences.

In particular in the last years he obtained the follwowing achievements:
• he has been the originator and the main proposer and the co-ordinator of the Research Training Network MYMOSA of the EU (Marie Curie Research Training Network) on the motorcycle safety with a budget of 2.7 million Euros for four years. 14 institutions are members of the network: 5 universities, 3 research centres and 6 companies of seven European countries, www.mymosa.eu/.
• he has obtained from the Veneto Region a Research contract POR with OZ SpA. The research contract is worth more than 1m Euros, of which 75,000 are for my university team.
• he has been awarded a Research project of the ‘CARIPARO Eccellenza scheme’ on impact behaviour of multifunctional panels, 250,000 Euros for three years.
• he has been awarded a Research project of the EU (Marie Curie Research Training Network) MOTORIST, 260,000 over four years.
• he has been awarded a Research project of the ‘CARIPARO Eccellenza scheme’ on innovative helmet design, 350000 for three years.

Prof. Galvanetto has been the supervisor or co-supervisor of 7 PhD students who have already obtained their PhD degree and he is currently supervising or co-supervising 6 more PhD students.

Main research grants awarded to Prof. Galbvanetto
1) 2005 research contract from Dainese SpA £ 85000
2) 2006 Research Training Network MYMOSA 535,000 €
3) Oz Spa, Regione Veneto, 2010 75,000€
4) Eccellenza CARIPARO 2010 250,000€
5) Enginsoft, PhD scholarship 66,000€
6) Progetto FSE 58,000€
7) MOTORIST 2015, 260,000€
8) Unox and Cinetix, private funding, over 100,000€
9) Eccellenza CARIPARO 2017 350,000€