

Alessandro Robaldo

Piazza IV novembre 1 12035 Racconigi, ITALY

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Personal data

born in Fossano (CN) ITALY, November 30th, 1975
address : Piazza IV novembre 1, 12035 Racconigi (CN) ITALY.

Education

January 2003 → December 2005

Ph.D in aerospace engineering at Politecnico di Torino funded by EU program CASSEM on the topic: *"Refined finite elements for piezothermoelastic analysis of laminated plates and shells"* under the supervision of Prof. E. Carrera.

September 1994 → October 2001

Degree in aerospace structural engineering at Politecnico di Torino with the final work: *"Design, analysis and testing of advanced composite nodes for the space-frame structure of trucks"*, developed in collaboration with IVECO S.p.A.

Work experience

June 2008 → nowadays

International Project Leader at Saint Gobain

February 2007 → June 2008

- System Engineer at TRW automotive Italia.

June 2005 → February 2007

- Stress engineer composite structures at Alenia Aeronautica - Finmeccanica Group.

Languages

Italian

mother tongue

English

Speaking: fluent

Reading and writing: excellent

Cambridge PET certificate reported mark : PASS with MERIT

French

Good knowledge of the spoken language

Good reading and writing capabilities.

IT

Operating systems

Linux

Microsoft Windows 9.x/NT/2000/XP

Programs

Suite MS - Office Xp

FEM MSC.Patran 2005r2

MSC.Nastran 2005r2

MSC.Fatigue

Altair Hypermesh,

SAMCEF Field, OOfelie

Dassault CATIA v.5r12

Autocad 2002/2004 2D e 3D

Programming languages

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Fortran 90, C++

PUBBLICATIONS

A. Robaldo, E. Carrera, M. Revellino, V. Bernardi, 2002, "On the use of structural nodes made by advanced composite", 34th ISTC SAMPE Conference - Baltimore, MD - November 4 - 7, 2002

E. Carrera, G. Chiocchia, L. Demasi, A. Robaldo, 2002, "On the developments of a joined wing" World Congress on Computational Mechanics (WCCM V) - Vienna, Austria, July 7-12

E. Carrera, A. Robaldo, 2003, "Formulazione unificata di elementi finite piani per analisi termoelastica di strutture multistrato anisotrope", XVII Conferenza AIDAA, 8-10 settembre, Università La Sapienza Roma.

A. Robaldo, L. Demasi, E. Carrera, 2004, "Influence of temperature profile on the accuracy of classical and refined multilayered plate elements", GIMC - XV convegno italiano di meccanica computazionale, Genova 21-23 Giugno

E. Carrera, A. Robaldo, A. Benjeddou, 2005, "Finite elements based on RMVT and unified formulation for thermal stress analysis of multilayered plates", Thermal Stresses 2005, Vienna University of Technology, Austria, 26-29 May

E. Carrera, M. Boscolo, C. Fagiano, A. Robaldo, 2005, "Mixed Elements for Accurate Vibration of Piezo-electric Plates", II Ecomas Thematic Conference On Smart Structures And Materials, Lisbon, Portugal, July 18-21

E. Carrera, M. Boscolo, C. Fagiano, A. Robaldo, 2005, "Mixed Finite Elements for Piezoelectric Plates based on Unified Formulation", XVII Congresso Aimeta Di Meccanica Teorica E Applicata, Florence, Italy, September 11-15

E. Carrera, M. Boscolo, C. Fagiano, A. Robaldo, 2005, "Unified Formulation to Assess Multilayered Plate Analysis of Thermo-Mechanical Problems", XVIII Congresso Nazionale Aidaa, Volterra (PI), Italy, September 19-22

A. Robaldo, 2006, "Influence of temperature profile on thermoelastic analysis of multilayered plates", Computer and Structures, 84, 1236-1246

A. Robaldo, E. Carrera, A. Benjeddou, 2006, "A unified formulation for finite element analysis of piezoelectric adaptive plates", Computer and Structures, 84, 1494-1505

A. Robaldo, E. Carrera, 2006, "Unified Formulation for Finite Element Thermoelastic Analysis of Multilayered Anisotropic Composite Plates", Journal of Thermal Stresses, 28, 10, 1031-1065

A. Robaldo, E. Carrera, 2006, "Unified Formulation for Mixed Finite Element Thermoelastic Analysis of Multilayered Anisotropic Composite Plates", Journal of Thermal Stresses, Vol. 30, No. 2., pp. 165-194.

E. Carrera, M. Boscolo, A. Robaldo, 2007, "Hierarchic multilayered plate elements for coupled multifield problems of piezoelectric adaptive structures: formulation and numerical assessment", Archives Of Computational Methods In Engineering, Vol. 14, No. 4, pp. 383-430

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A.Robaldo, E.Carrera, 2007, "Hierarchic Finite Elements Based on a Unified Formulation for the Static Analysis of Shear Actuated Multilayered Piezoelectric Plates", 15th AIAA/ASME/AHS Adaptive Structures Conference

E.Carrera, S.Brischetto, A.Robaldo, 2007, "Comparison of various kinematics for the analysis of functionally graded materials plates", Proceedings 15th UK Conference of the Association of Computational Mechanics in Engineering (Glasgow, Scotland (UK)) April 2-3, 2007

A.Robaldo, E.Carrera, 2008, "Extension of Reissner's mixed variational principle to thermopiezoelasticity", Accademia delle Scienze di Torino, Vol. 21, pp. 3-18

E.Carrera, S.Brischetto, A.Robaldo, 2008, "Variable Kinematic Model for the Analysis of Functionally Graded Material Plates", AIAA JOURNAL Vol.46, pp.194-203

February 2nd, 2009
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