

PROCEDURA SELETTIVA, BANDITA CON D.R. n. 1263 DEL 21/04/2015, PER TITOLI, PUBBLICAZIONI E COLLOQUIO, PER UN POSTO DI RICERCATORE UNIVERSITARIO A TEMPO DETERMINATO DI TIPOLOGIA B NEL SETTORE CONCORSUALE 08/B2, SETTORE SCIENTIFICO-DISCIPLINARE ICAR/08, PRESSO IL DIPARTIMENTO D'INGEGNERIA STRUTTURALE E GEOTECNICA DELL'UNIVERSITÀ DI ROMA "LA SAPIENZA"

Verbale 2

(Presenza visione dei candidati)

Candidato: Arena Andrea

Publicazioni trasmesse: 12

Rivista	Autori	Titolo
Journal of Aerospace Engineering	Lacarbonara, W., Arena, A.	Flutter of an Arch Bridge via a Fully Nonlinear Continuum Formulation
Nonlinear Dynamics	Arena, A., Lacarbonara, W.	Nonlinear Parametric Modeling of Suspension Bridges under Aeroelastic Forces: Torsional Divergence and Flutter
Journal of Computational and Nonlinear Dynamics	Formica, G., Arena, A., Lacarbonara, W., Dankowicz, H.	Coupling FEM with parameter continuation for analysis of bifurcations of periodic responses in nonlinear structures
Journal of Aircraft	Arena, A., Lacarbonara, W., Marzocca, P.	Nonlinear aeroelastic formulation and postflutter analysis of flexible high-aspect-ratio wings
Journal of Fluids and Structures	Farsani, H.Y., Valentine, D.T., Arena, A., Lacarbonara, W., Marzocca, P.	Indicial Functions in the Aeroelasticity of Bridge Decks
Engineering Structures	Casalotti, A., Arena, A., Lacarbonara, W.	Mitigation of Post-Flutter Oscillations in Suspension Bridges by Hysteretic Tuned Mass Dampers
Journal of Fluids and Structures	Arena, A., Lacarbonara, W., Valentine, D.T., Marzocca, P.	Aeroelastic behavior of long-span suspension bridges under arbitrary wind profiles
Meccanica	Lacarbonara, W., Arena, A., Antman, S.S.	Flexural Vibrations of Nonlinearly Elastic Circular Rings
International Journal of Mechanical Sciences	Arena, A., Casalotti, A., Lacarbonara, W., Cartmell, M.P.	Dynamics of Container Cranes: Three-Dimensional Modeling, Full-Scale Experiments, and Identification
Journal of Computational and Nonlinear Dynamics	Arena, A., Lacarbonara, W., Marzocca, P.	Post-Critical Behavior of Suspension Bridges under Nonlinear Aerodynamic Loading
Proceedings of the Institution of Mechanical Engineers, Part C: Journal of Mechanical Engineering Science	Arena, A., Lacarbonara, W., Cartmell, M. P.	Nonlinear interactions in deformable container cranes
Proceedings of the ASME 2015 International Design Engineering Technical Conferences & Computers and Information in Engineering Conference	Arena, A.	Free Vibration of Flexible Cables

Candidato: Carboni Biagio

Pubblicazioni trasmesse: 9

Rivista	Autori	Titolo
Engineering Structures	Carboni, B., Lacarbonara, W.	A three-dimensional continuum approach to the thermoelastodynamics of large-scale structures
Journal of Engineering Mechanics	Carboni, B., Lacarbonara, W., Auricchio, F.	Hysteresis of Multiconfiguration Assemblies of Nitinol and Steel Strands: Experiments and Phenomenological Identification
Journal of Vibration and Control	Quaranta, G., Carboni, B., Lacarbonara, W.	Damage detection by modal curvatures: numerical issues
Nonlinear Dynamics	Carboni, B., Lacarbonara, W.	Nonlinear dynamic characterization of a new hysteretic device: experiments and computations
MATEC Web of Conferences	Quaranta, G., Carboni, B., Lacarbonara, W.	On the reliability of a PCA-based method for structural diagnosis in bridge structures with environmental disturbances
MATEC Web of Conferences	Carboni, B., Lacarbonara, W.	A new vibration absorber based on the hysteresis of multi-configuration NiTiNOL-steel wire ropes assemblies
Proceedings of the Second International Conference on Structural Nonlinear Dynamics and Diagnosis (CSNDD'2014)	Lacarbonara, W., Carboni, B., Manicini, C.	Hysteretic Beam Model for Steel Wire Ropes Hysteresis Identification
Proceedings of the ASME 2015 International Design Engineering Technical Conferences & Computers and Information in Engineering Conference	Carboni, B., Lacarbonara, W.	DYNAMIC RESPONSE OF NONLINEAR OSCILLATORS WITH HYSTERESIS
ENOC	Carboni, B., Manicini, C., Lacarbonara, W.	Hysteretic Beam Model for Identification of Wire Ropes Hysteresis

Candidato: Contento Alessandro

Pubblicazioni trasmesse: 12

Rivista	Autori	Titolo
Earthquake Engineering and Structural Dynamics	Contento, A., Di Egidio, A.	Investigations into the benefits of base isolation for non-symmetric rigid blocks
Engineering Structures	Di Egidio, A., Contento, A.	Base isolation of slide-rocking non-symmetric rigid blocks under impulsive and seismic excitations
International Journal of Non-Linear Mechanics	Ceci, A.M., Contento, A., Fanale, L., Galeota, D., Gattulli, V., Lepidi, M., Potenza, F.	Structural performance of the historic and modern buildings of the University of L'Aquila during the seismic events of April 2009
Engineering Structures	Di Egidio, A., Contento, A.	Seismic response of a non-symmetric rigid block on a constrained oscillating base
International Journal of Non-Linear Mechanics	Zulli, D., Contento, A., Di Egidio, A.	3D model of rigid block with a rectangular base subject to pulse-type excitation
Computers and Structures	Contento, A., Luongo, A.	Static and dynamic consistent perturbation analysis for nonlinear inextensible planar frames
Journal of Sound and Vibration	Seyranian, A.P., Di Egidio, A., Contento, A., Luongo, A.	Solution to the problem of Nicolai
Engineering Structures	Contento, A., Di Egidio, A.	On the use of base isolation for the protection of rigid bodies placed on a multi-storey frame under seismic excitation
Earthquake Engineering and Engineering Vibration	Di Egidio, A., Zulli, D., Contento, A.	Comparison between the seismic response of 2D and 3D models of rigid blocks
Continuum Mechanics and Thermodynamics	de Leo, A.M., Contento, A., Di Egidio, A.	Semi-analytical approach for the study of linear static behaviour and buckling of shells with single constant curvature
Computers and Structures	Luongo, A., Contento, A.	Nonlinear elastic analysis of steel planar frames under fire loads
International Journal of Non-Linear Mechanics	Di Egidio, A., Alaggio, R., Contento, A., Tursini, M., Della Loggia, E.	Experimental characterization of the overturning of three-dimensional square based rigid block

Candidata: De Bellis Maria Laura

Pubblicazioni trasmesse: 12

Rivista	Autori	Titolo
Pubblicazione diffusa online presso PADIS	De Bellis, M. L.	A Cosserat based Multi-Scale Technique for Masonry Structures
Archive of Applied Mechanics	De Bellis, M.L., Ruta, G.C., Elishakoff, I.	Influence of a Wiegardt foundation on the dynamic stability of a fluid conveying pipe
International Journal for Multiscale Computational Engineering	De Bellis, M.L., Addressi, D.	A COSSERAT BASED MULTI-SCALE MODEL FOR MASONRY STRUCTURES
Mechanics Research Communications	Addressi, D., De Bellis, M.L., Sacco, E.	Micromechanical analysis of heterogeneous materials subjected to overall Cosserat strains
Continuum Mechanics and Thermodynamics	De Bellis, M.L., Ruta, G.C., Elishakoff, I.	A contribution to the stability of an overhanging pipe conveying fluid
Meccanica	Trovalusci, P., De Bellis, M.L., Ostoja-Starzewski, M., Murrall, A.	Particulate random composites homogenized as micropolar materials
Frattura ed Integrità Strutturale	De Bellis, M., Addressi, D.	A micromechanical approach for the micropolar modeling of heterogeneous periodic media
European Journal of Mechanics, A/Solids	Trovalusci, P., Ostoja-Starzewski, M., De Bellis, M.L., Murrall, A.	Scale-dependent homogenization of random composites as micropolar continua
Composite Structures	Bacigalupo, A., De Bellis, M.L.	Auxetic anti-tetrachiral materials: Equivalent elastic properties and frequency band-gaps
Meccanica	Addressi, D., de Bellis, M.L., Sacco, E.	A micromechanical approach for the Cosserat modeling of composites
XIX Congresso Aimeta	Addressi, D., Ciampi, V., De Bellis, M.L., Paolone, A.	Multi-scale analysis of masonry panels based on mixed finite element formulations
Advanced Materials Research	De Bellis, M.L., Addressi, D., Ciampi, V., Paolone, A.	An enriched 2D multi-scale model based on a Cosserat continuum for the analysis of regular masonry

Candidato: Favata Antonino

Pubblicazioni trasmesse: 12

Rivista	Autori	Titolo
Mathematics and Mechanics of Solids	Favata, A.	A beam theory consistent with three-dimensional thermo-elasticity
ZAMM Zeitschrift für Angewandte Mathematik und Mechanik	Bargmann, S., Favata, A.	Continuum mechanical modeling of laser-pulsed heating in polycrystals: A multi-physics problem of coupling diffusion, mechanics, and thermal waves
Journal of Elasticity	Favata, A., Podio-Guidugli, P.	A shell theory for chiral single-wall carbon nanotubes
International Journal of Engineering Science	Favata, A., Micheletti, A., Podio-Guidugli, P.	A nonlinear theory of prestressed elastic stick-and-spring structures
Journal of Elasticity	Bargmann, S., Favata, A., Podio-Guidugli, P.	A revised exposition of the green-naghdi theory of heat propagation
Solid Mechanics and its Applications	Podio-Guidugli, P., Favata, A.	Elasticity for geotechnicians: A modern exposition of Kelvin, Boussinesq, Flamant, Cerruti, Melan, and Mindlin problems
European Journal of Mechanics, A/Solids	Bajaj, C., Favata, A., Podio-Guidugli, P.	On a nanoscopically-informed shell theory of single-wall carbon nanotubes
Proceedings of the Royal Society A: Mathematical, Physical and Engineering Sciences	Bargmann, S., Favata, A., Podio-Guidugli, P.	On energy and entropy influxes in the Green-Naghdi Type III theory of heat conduction
Journal of Elasticity	Favata, A.	On the Kelvin Problem
European Journal of Mechanics, A/Solids	Favata, A., Podio-Guidugli, P.	A new CNT-oriented shell theory
Journal of Elasticity	Favata, A., Podio-Guidugli, P., Tomassetti, G.	Energy Splitting Theorems for Materials with Memory
Journal of Elasticity	Favata, A., Micheletti, A., Podio-Guidugli, P.	On Shear and Torsion Factors in the Theory of Linearly Elastic Rods

Candidato: Giorgio Ivan

Pubblicazioni trasmesse: 12

Rivista	Autori	Titolo
Sensors and Actuators, A: Physical	Shen, H., Qiu, J., Ji, H., Zhu, K., Balsi, M., Giorgio, I., Dell'Isola, F.	A low-power circuit for piezoelectric vibration control by synchronized switching on voltage sources
ZAMM Zeitschrift fur Angewandte Mathematik und Mechanik	Rosi, G., Giorgio, I., Eremeyev, V.A.	Propagation of linear compression waves through plane interfacial layers and mass adsorption in second gradient fluids
Continuum Mechanics and Thermodynamics	Placidi, L., Rosi, G., Giorgio, I., Madeo, A.	Reflection and transmission of plane waves at surfaces carrying material properties and embedded in second-gradient materials
Archive of Applied Mechanics	Giorgio, I., Culla, A., Del Vescovo, D.	Multimode vibration control using several piezoelectric transducers shunted with a multiterminal network
Archive of Applied Mechanics	Abd-alla, A.-E.-N.N., Hamdan, A.M., Giorgio, I., Del Vescovo, D.	The mathematical model of reflection and refraction of longitudinal waves in thermo-piezoelectric materials
ZAMM Zeitschrift fur Angewandte Mathematik und Mechanik	Andreas, U., Giorgio, I., Lekszycki, T.	A 2-D continuum model of a mixture of bone tissue and bio-resorbable material for simulating mass density redistribution under load slowly variable in time
International Journal of Engineering Science	Del Vescovo, D., Giorgio, I.	Dynamic problems for metamaterials: Review of existing models and ideas for further research
International Journal of Engineering Science	Scerrato, D., Giorgio, I., Madeo, A., Limam, A., Darve, F.	A simple non-linear model for internal friction in modified concrete
International Journal of Solids and Structures	D'Agostino, M.V., Giorgio, I., Greco, L., Madeo, A., Boisse, P.	Continuum and discrete models for structures including (quasi-) inextensible elasticae with a view to the design and modeling of composite reinforcements
Continuum Mechanics and Thermodynamics	Abd-alla, A.-E.-N., Giorgio, I., Galantucci, L., Hamdan, A.M., Vescovo, D.D.	Wave reflection at a free interface in an anisotropic pyroelectric medium with nonclassical thermoelasticity
Zeitschrift fur Angewandte Mathematik und Physik	Andreas, U., Giorgio, I., Madeo, A.	Modeling of the interaction between bone tissue and resorbable biomaterial as linear elastic materials with voids
Continuum Mechanics and Thermodynamics	Bersani, A.M., Giorgio, I., Tomassetti, G.	Buckling of an elastic hemispherical shell with an obstacle

Candidato: Greco Leopoldo Vincenzo

Pubblicazioni trasmesse: 10

Rivista	Autori	Titolo
International Journal of Solids and Structures	Greco, L., Cuomo, M.	On the force density method for slack cable nets
Computer Methods in Applied Mechanics and Engineering	Greco, L., Cuomo, M.	B-Spline interpolation of Kirchhoff-Love space rods
Computer Methods in Applied Mechanics and Engineering	Greco, L., Cuomo, M.	An implicit G1 multi patch B-spline interpolation for Kirchhoff-Love space rod
International Journal of Solids and Structures	Greco, L., Impollonia, N., Cuomo, M.	A procedure for the static analysis of cable structures following elastic catenary theory
International Journal of Engineering Science	Cuomo, M., Contrafatto, L., Greco, L.	A variational model based on isogeometric interpolation for the analysis of cracked bodies
Continuum Mechanics and Thermodynamics	Greco, L., Cuomo, M.	Consistent tangent operator for an exact Kirchhoff rod model
International Journal of Solids and Structures	D'Agostino, M.V., Giorgio, I., Greco, L., Madeo, A., Boisse, P.	Continuum and discrete models for structures including (quasi-) inextensible elasticae with a view to the design and modeling of composite reinforcements
ECCOMAS Special Interest Conference - SEECM 2013: 3rd South-East European Conference on Computational Mechanics, Proceedings - An IACM Special Interest Conference	Greco, L., Cuomo, M., Impollonia, N.	AN UNLOCKED IMPLICIT G1 CONTINUITY MULTI PATCH B-SPLINE INTERPOLATION FOR THE ANALYSIS OF 3D KIRCHHOFF-LOVE ROD ELEMENTS
ECCOMAS 2012 - European Congress on Computational Methods in Applied Sciences and Engineering, e-Book Full Papers	Cuomo, M., Greco, L.	Isogeometric analysis of space rods: Considerations on stress locking
Civil-Comp Proceedings	Greco, L., Cuomo, M.	Multi-patch isogeometric analysis of space rods

Candidata: Reggio Anna

Pubblicazioni trasmesse: 12

Rivista	Autori	Titolo
Earthquake Engineering and Structural Dynamics	Reggio, A., Angelis, M.D.	Optimal energy-based seismic design of non-conventional Tuned Mass Damper (TMD) implemented via inter-story isolation
Meccanica	Reggio, A., De Angelis, M.	Modelling and identification of structures with rate-independent linear damping
Journal of Sound and Vibration	Reggio, A., De Angelis, M.	Combined primary-secondary system approach to the design of an equipment isolation system with High-Damping Rubber Bearings
IEEE Transactions on Industry Applications	Parise, G., De Angelis, M., Reggio, A.	Criteria for the definition of the equipment seismic levels: Comparisons between USA and European codes
Mechanical Systems and Signal Processing	Reggio, A., De Angelis, M., Betti, R.	A state-space methodology to identify modal and physical parameters of non-viscously damped systems
Earthquake Engineering and Structural Dynamics	Reggio, A., De Angelis, M.	Optimal design of an equipment isolation system with nonlinear hysteretic behaviour
Earthquake Engineering and Structural Dynamics	De Angelis, M., Perno, S., Reggio, A.	Dynamic response and optimal design of structures with large mass ratio TMD
Pubblicazione diffusa online presso PADIS	Reggio, A.	Tesi di dottorato
Book Series: EURODYN-International Conference on Structural Dynamics 978-972-752-165-4	Reggio, A., De Angelis, M.	Optimization of a non-conventional TMD implemented via inter-storey isolation
Proceedings of XXI Congresso AIMETA—Associazione Italiana di Meccanica Teorica e Applicata, Torino	Reggio, A., De Angelis, M.	State space identification of non viscously damped systems
Smart structures. Proceedings of the 5th european Conference on structural control EACS 2012	Reggio, A., De Angelis, M.	Optimal design of a passive nonlinear isolation system for the Seismic protection of equipment
Industrial and Commercial Power Systems Technical Conference (I&CPS), 2011 IEEE 978-142449999-1	Parise, G., De Angelis, M., Reggio, A.	A Darwinian evolution of electrical power systems design for preventing seismic risks in sensitive buildings

Candidato: Rinaldin Giovanni

Pubblicazioni trasmesse: 12

Rivista	Autori	Titolo
Ingegneria Sismica	Rinaldin, G., Poh'sie, G.H., Amadio, C., Fragiaco, M.	Modelling of seismic behaviour of light-frame timber structures [Modellazione del comportamento sismico di strutture in legno a telaio leggero]
Earthquake Engineering and Structural Dynamics	Rinaldin, G., Amadio, C., Fragiaco, M.	A Component approach for the hysteretic behaviour of connections in cross-laminated wooden structures
Bollettino di Geofisica Teorica ed Applicata	Sancin, L., Rinaldin, G., Fragiaco, M., Amadio, C.	Seismic analysis of an isolated and a non-isolated light-frame timber building using artificial and natural accelerograms
Ingenio	Rinaldin, G., Amadio, C., Fragiaco, M.	Accuracy of the N2 and overdamped spectrum method for different hysteretic models
RILEM Bookseries	Rinaldin, G., Fragiaco, M.	A COMPONENT MODEL FOR CYCLIC BEHAVIOUR OF WOODEN STRUCTURES
WCTE 2014 - World Conference on Timber Engineering, Proceedings	Rinaldin, G., Poh'sie, G.H., Fragiaco, M., Amadio, C.	NON-LINEAR MODELLING OF THE THREE AND SEVEN STOREY X-LAM BUILDINGS TESTED WITHIN THE SOFIE PROJECT
INTERNATIONAL COUNCIL FOR RESEARCH AND INNOVATION IN BUILDING AND CONSTRUCTION	Wrzesniak, D., Rinaldin, G., Amadio, C., Fragiaco, M.	Proposal for the q-factor of moment-resisting timber frames with high ductility dowel connectors
Civil-Comp Proceedings	Izzuddin, B.A., Macorini, L., Rinaldin, G.	Partitioned Modelling for Nonlinear Dynamic Analysis of Reinforced Concrete Buildings for Earthquake Loading
ArTS Archivio della ricerca di Trieste	Rinaldin, G., Amadio, C., Gattesco, N.	A tool for non-linear dynamic investigations of URM structures
ArTS Archivio della ricerca di Trieste	Rinaldin, G., Amadio, C., Macorini, L.	An equivalent frame model for nonlinear analysis of unreinforced masonry buildings under in-plane cyclic loading
Engineering Structures	Bedon, C., Rinaldin, G., Fragiaco, M.	Non-linear modelling of the in-plane seismic behaviour of timber Blockhaus log-walls
Construction and Building Materials	Bedon, C., Rinaldin, G., Izzi, M., Fragiaco, M., Amadio, C.	Assessment of the structural stability of Blockhaus timber log-walls under in-plane compression via full-scale buckling experiments

La seduta ha termine alle ore 17.00. La commissione decide di riunirsi nuovamente avvalendosi degli strumenti telematici di lavoro collegiale alle ore 15.00 del giorno 18/12/2015 per verificare la conformità dei titoli dei candidati con quelli richiesti dall'art. 2 del bando.

Letto, approvato e sottoscritto

Per la commissione:

Segretario

Prof. Achille Paolone

A handwritten signature in blue ink, appearing to be 'A. Paolone', written in a cursive style.