CURRICULUM VITAE
GIOVANNI FALSONE

PERSONAL WEB PAGE:
https://www.researchgate.net/profile/G_Falsone
RESEARCH GROUP WEB PAGE:
http://www.unime.it/dipartimenti/ingegneria
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NUMBER OF PUBLICATIONS AND DISSEMINATION:
155 Publications
53 Publications on International Refereed Journals
H-INDEX 12 in ISI Web of Knowledge, 12 in SCOPUS, 16 in Research Gate and 16 in Google Scholar.

CURRENT ACADEMIC POSITION AND AFFILIATIONS:
2003-present Full Professor of Structural Mechanics (SSD ICAR/08), University of Messina.

PROFESSIONAL EXPERIENCE:
1998-2003 Associate Professor of Structural Mechanics, University of Messina.
1995-1998 Researcher of Structural Mechanics, University of Catania.

EDUCATION:
1993-1995 Research Post-Doctorate, University of Napoli.
1989-1992 Research Doctorate (Ph.D.) in Structural Engineering, University of Napoli.
1981-1987 Degree in Civil Engineering cum laude, University of Palermo.

COMMITTEE MEMBER OF INTERNATIONAL JOURNALS WITH PEER-REVIEW:
2015-present Member of the Editorial Board of Mathematical Problems in Engineering (Hindawi PC)

REVIEW ACTIVITY
2015-present Author of 37 Pre Publication Reviews for 16 Internal Journals.

COMMITTEES AND PROFESSIONAL ACTIVITIES (selected):
2013-present Member of the Academic Board of the PhD School Engineering and Chemistry of Materials and of Constructions, University of Messina.
2004-2012 Head of the Department of Civil Engineering, University of Messina.
2001-2009 Head (for the Technological Address) of the Sicilian School of Specialization for Teachers of Secondary School of Sicilian Region (SISSIS).
2005-2007 Head of the Committee of the SD 08 Area, University of Messina.
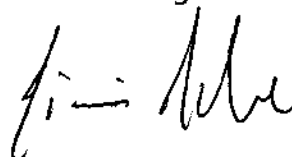2002-2004 Head of the Council of Civil Engineering Degree Course, University of Messina.

FUNDINGS FOR THE RESEARCH (selection):
2008-2009 Local Scientific Referent for PRIN "Stochastic dynamics of slender structure under the wind action".
2004-2005 Local Scientific Referent for PRIN "Stochastic characterization of masonry structures and their analysis".
2015-present Local Scientific Referent for PRIN "Advanced mechanical modeling of new materials and structures for the solution of 2020 Horizon challenges"

CONSULTING ACTIVITIES (selection):

2002-present Scientific Referent of numerous consulting researches for public and private companies principally devoted to the seismic reliability of structures.

TEACHING ACTIVITIES (selection):

- Structural Mechanics (Scienza delle Costruzioni), Civil Engineering Degree.
- Structural Mechanics (Scienza delle Costruzioni), Industrial Engineering Degree.
- Construction Reliability (Sicurezza e Affidabilità delle Costruzioni), Civil Engineering post-Degree.
- Computational Structure Mechanics (Meccanica Computazionale delle Strutture), Civil Engineering post-Degree.

RESEARCH TOPICS (selection):

- Stochastic dynamics of linear and nonlinear systems.
- Seismic reliability of structures.
- Stochastic homogenization of composite materials.
- Response stochastic characterization of uncertain structures.
- Finite Element approaches not-thin structures.

ORGANIZATION OF INTERNATIONAL CONFERENCES (selection)

2004 Minisymposium on "Stochastic Structural Dynamics", ASEM'04, Seoul.

SCIENTIFIC COMMITTEE OF INTERNATIONAL CONFERENCES (selected)

2005 Member of the Technical Committee of ICOSSAR'05, Roma.

20 SELECTED PUBLICATIONS

1. Alibrandi U., Falsone G. (2015). Optimal design of dampers in seismic excited structures by the Expected value of the stochastic Dissipated Power. PROBABILISTIC ENGINEERING MECHANICS, vol. 41, p. 129-138, ISSN: 0266-8920, doi: 10.1016/j.probengmech.2015.06.001
2. Falsone G., Settineri D., Elishakoff I. (2014). A new class of interdependent shape polynomials for the FE dynamic analysis of Mindlin plate Timoshenko beam. MECCANICA, vol. 50, p. 767-780, ISSN: 0025-6455, doi: 10.1007/s11012-014-0032-9
3. Falsone G., Settineri D., Elishakoff I. (2014). A new locking-free finite element method based on more consistent version of Mindlin plate equation. ARCHIVE OF APPLIED MECHANICS, vol. 84, p. 967-983, ISSN: 0939-1533, doi: 10.1007/s00419-014-0842-1
4. Giovanni Falsone, Dario Settineri (2014). On the application of the probability transformation method for the analysis of discretized structures with uncertain proprieties . PROBABILISTIC ENGINEERING MECHANICS, vol. 35, p. 44-51, ISSN: 0266-8920
5. Settineri D., Falsone G. (2014). An APDM-based method for the analysis of systems with uncertainties. COMPUTER METHODS IN APPLIED MECHANICS AND ENGINEERING, vol. 278, p. 828-852, ISSN: 0045-7825, doi: 10.1016/j.cma.2014.06.014
6. Falsone G., Settineri D. (2012). A Kirchhoff-like solution for the Mindlin plate model: A new finite element approach . MECHANICS RESEARCH COMMUNICATIONS, vol. 40, p. 1-10, ISSN: 0093-6413
7. FALSONE G., SETTINERI D. (2011). AN EULER-BERNOULLI-LIKE FINITE ELEMENT METHOD FOR TIMOSHENKO BEAMS. MECHANICS RESEARCH COMMUNICATIONS, vol. 38, p. 12-16, ISSN: 0093-6413
8. FALSONE G., SETTINERI D. (2011). NEW DIFFERENTIAL EQUATIONS GOVERNING THE RESPONSE CROSS-CORRELATIONS OF LINEAR SYSTEMS SUBJECTED TO COLOURED LOADS. JOURNAL OF SOUND AND VIBRATION, p. 2910-2927, ISSN: 0022-460X
9. Lombardo M, Zeman J, Sejnoha M, Falsone G (2009). Stochastic Modeling of Chaotic Masonry via Mesostructural Characterization. INTERNATIONAL JOURNAL FOR MULTISCALE COMPUTATIONAL ENGINEERING, vol. 7, p. 171-185, ISSN: 1543-1649

10. FALSONE G, LOMBARDO M. (2007). Stochastic representation of the mechanical properties of irregular masonry structures. INTERNATIONAL JOURNAL OF SOLIDS AND STRUCTURES, vol. 44, p. 8600-8612, ISSN: 0020-7683, doi: 10.1016/j.ijsolstr.2007.06.030
11. FALSONE G., FERRO G (2007). An exact solution for the static and dynamic analysis of FE discretized uncertain structures. COMPUTER METHODS IN APPLIED MECHANICS AND ENGINEERING, vol. 196 (21-24), p. 2390-2400, ISSN: 0045-7825
12. FALSONE G., FERRO G (2007). Best performing parameters of linear and non-linear seismic base-isolator systems obtained by the power flow analysis. COMPUTERS & STRUCTURES, vol. 84 (31-32), p. 2291-2305, ISSN: 0045-7949
13. FALSONE G., FERRO G (2006). A dynamical stochastic finite element method based on the moment equation approach for the analysis of linear and nonlinear uncertain structures. STRUCTURAL ENGINEERING AND MECHANICS, vol. 23, p. 599-613, ISSN: 1225-4568
14. FALSONE G., FERRO G. (2005). A method for the dynamic analysis of FE discretized uncertain structures in the frequency domain. COMPUTER METHODS IN APPLIED MECHANICS AND ENGINEERING, vol. 194, p. 4544-4564, ISSN: 0045-7825
15. FALSONE G., IMPOLLONIA N (2004). About the accuracy of a novel response surface method for the analysis of finite element modeled uncertain structures. PROBABILISTIC ENGINEERING MECHANICS, vol. 19, p. 53-63, ISSN: 0266-8920
16. FALSONE G. (2002). The use of generalised functions in the discontinuous beam-bending differential equations. INTERNATIONAL JOURNAL OF ENGINEERING EDUCATION, vol. 18, p. 337-343, ISSN: 0949-149X
17. FALSONE G., IMPOLLONIA N (2002). A new approach for the stochastic analysis of finite element modelled structures with uncertain parameters. COMPUTER METHODS IN APPLIED MECHANICS AND ENGINEERING, vol. 191, p. 5067-5085, ISSN: 0045-7825
18. FALSONE G. (1994). Cumulants and correlations for linear systems under non-stationary delta-correlated processes. PROBABILISTIC ENGINEERING MECHANICS, vol. 9, p. 157-165, ISSN: 0266-8920
19. M. DI PAOLA, FALSONE G. (1993). Ito and Stratonovich integrals for delta-correlated processes. PROBABILISTIC ENGINEERING MECHANICS, vol. 8, p. 197-208, ISSN: 0266-8920
20. M. DI PAOLA, FALSONE G. (1993). Stochastic dynamics of non-linear systems driven by non-normal delta-correlated processes. JOURNAL OF APPLIED MECHANICS, vol. 60, p. 141-148, ISSN: 0021-8936

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