

## FRANCESCO ROMEO

Associate Professor

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### Academic positions

2007-: Associate Professor, Dept. of Structural and Geotechnical Engineering, La Sapienza University of Rome

2001-07: Assistant Professor, Dept. of Structural and Geotechnical Engineering, La Sapienza University of Rome

1999-01: Research Associate, Dept. of Structural, Geotechnical and Hydraulic Engineering, University of L'Aquila

### Education

1999, Ph.D. Civil Engineering, La Sapienza University of Rome

1998, MS in Engineering, The Johns Hopkins University

1994, Laurea in Civil Engineering, La Sapienza University of Rome

### Courses taught

Statics, structural mechanics, mechanics of solids.

### Research interests

Identification and control of structural systems, dynamics of linear and nonlinear periodic structures, dynamics of parametrically excited structures.

### Selected publications:

1. Romeo F., Paolone A., Propagation properties of three-coupled periodic mechanical systems, *J. of Sound and Vibration*, vol. **301**, pp. 635-648, 2007.
2. Luongo A., Romeo F., A transfer-matrix perturbation approach to the dynamics of chains of nonlinear sliding beams, *J. of Vibration and Acoustics*, vol. **128**, pp. 190-196, 2006.
3. Romeo F., Rega G., Wave propagation properties of chains of oscillators with cubic nonlinearities via nonlinear map approach, *Chaos, Solitons and Fractals*, vol. **27**, pp. 606-617, 2006.
4. Luongo A., Romeo F., Real wave vectors for dynamic analysis of periodic structures, *J. of Sound and Vibration*, vol. **279**, 309-325, 2005.
5. Romeo F., Ghanem G., Parametric identification of dynamical systems via wavelet-Galerkin approach, Recent Research Developments in Sound and Vibration II, Transworld Research Network, pp. 235-262, 2004.
6. Romeo F., Luongo A., Vibration reduction in piecewise bi-coupled periodic structures, *J. of Sound and Vibration*, vol. **268**, 601-615, 2003.
7. Romeo F., Luongo A., Invariant representation of propagation properties for bi-coupled periodic structures, *J. of Sound and Vibration*, vol. **257**, pp.869-886, 2002.
8. Ghanem R. and Romeo F., A wavelet based approach for model and parameter identification of nonlinear Systems, *International Journal of Nonlinear Mechanics*, vol. **36**, pp. 835-859, 2001.
9. Gattulli V., Romeo F., Integrated Procedure for Identification and Control of MDOF Structural Systems, *J. of Engineering Mechanics*, ASCE, vol. **126**, 730-737, 2000.
10. Ghanem R. and Romeo F., A wavelet-based approach for the identification of linear time-varying dynamical systems, *Journal of Sound and Vibration*, vol. **234**, pp. 555-576, 2000.