

CURRICULUM VITAE

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CONTACT INFORMATION

Structural Engineering, Mechanics and Materials
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EDUCATION

- January 2002 - present University of California, Berkeley
Ph.D. in Civil and Environmental Engineering
Earthquake Engineering: Seismic Isolation, Seismic Response of Building
Contents, Seismic Response of Classical Monuments.
Minors: Analytical Dynamics and Dynamical Systems; Applied Mathematics.
- December 2001 University of California, Berkeley
MS in Civil and Environmental Engineering
Thesis: The Rocking Spectrum and the Shortcoming of Design Guidelines
- August 1999 University of California, Berkeley
BS in Civil and Environmental Engineering

RESEARCH EXPERIENCE

- 2000-2001 SEMM Masters program at U.C. Berkeley with emphasis on earthquake
engineering and structural dynamics. *M.S. degree.*
Masters Thesis: "The Rocking Spectrum and the Shortcomings of Design
Guidelines." Also published as: Pacific Earthquake Engineering Center. Report No.
PEER-01/07.
- 2002- PhD program at U.C. Berkeley. In progress.
Topics of research:
- Performance of Isolation Bearings and Thermal Expansion Bearings under
Seismic Loading.
 - Dynamic Response Analysis of Sliding Structures.
 - Dynamic Response Analysis of Rocking Structures.
 - Seismic Response Analysis of Multi-drum Classical Columns and Monuments.
 - Experimental and Analytical Studies on the Seismic Response of Slender

Laboratory Equipment (included a Comprehensive Shake Table Test Program at the Richmond Field Station Seismic Laboratory, UC Berkeley).

PROFESSIONAL AND ACADEMIC SOCIETIES

ASCE, American Society of Civil Engineers.
ASME, American Society of Mechanical Engineers.
ATC, Applied Technology Council
EERI, Earthquake Engineering Research Institute.
ICBO, International Committee of Building Officials.
SIAM, Society for Industrial and Applied Mathematics.
Chi Epsilon National Civil Engineering Honor Society, UC Berkeley Chapter.
Golden Key National Honor Society.

PUBLICATIONS

- Refereed Journal Kelly, James M. and Konstantinidis, Dimitrios. "Low-Cost Seismic Isolators for Housing in Highly-Seismic Developing Countries" [in preparation].
- Konstantinidis, Dimitrios and Makris, Nicos. "Physical Similarity in the Dynamic Response of a Rocking Object: A Scale Invariance" [in preparation].
- Pinarbasi, Seval and Konstantinidis, Dimitrios. "Seismic Isolation for Soft-Story Buildings." *Engineering Structures* [in review].
- Konstantinidis, Dimitrios and Makris, Nicos. "Experimental and Analytical Studies on the Response of Freestanding Laboratory Equipment to Moderately Strong Earthquake Shaking." *Earthquake Engineering and Structural Dynamics* [in review].
- Konstantinidis, Dimitrios and Makris, Nicos. "Experimental and Analytical Studies on the Response of Freestanding Wooden Blocks and Laboratory Equipment to Strong Earthquake Shaking." *Earthquake Engineering and Structural Dynamics* [in review].
- Konstantinidis, Dimitrios and Makris, Nicos. "Seismic Response Analysis of Multidrum Classical Columns." *Earthquake Engineering and Structural Dynamics*. John Wiley & Sons. Volume 34: 10, pp. 1243-1270, 2005.
- Makris, Nicos and Konstantinidis, Dimitrios. "The Rocking Spectrum and the Limitations of Practical Design Methodologies." *Earthquake Engineering and Structural Dynamics*. John Wiley & Sons. Volume 32: 2, pp. 265-289, 2003.
- Reports Makris, Nicos and Konstantinidis, Dimitrios, authors of Chapter 6 in: Comerio, Mary C. (editor). *PEER Testbed Study on a Laboratory Building: Exercising Seismic Performance Assessment*. Report No. PEER 2005/12. Berkeley, California: Pacific Earthquake Engineering Research Center, University of California, 2005.
- Konstantinidis, Dimitrios and Makris, Nicos. *Experimental and Analytical Studies on the Seismic Response of Freestanding and Anchored Laboratory Equipment*. Report No. PEER 2005/07, Pacific Earthquake Engineering Research Center, University of California, Berkeley, CA, 2005.

Makris, Nicos and Konstantinidis, Dimitrios. *The Rocking Spectrum and the Shortcomings of Design Guidelines*. Report No. PEER 2001/07, Pacific Earthquake Engineering Research Center, University of California, Berkeley, CA, 2001.

Conference Konstantinidis, Dimitrios and Makris, Nicos. "The Dynamics of a Rocking Block in Three Dimensions." *Proceedings of the 8th HSTAM (Hellenic Society for Theoretical and Applied Mechanics) International Congress on Mechanics*. Patras, Greece, July 12-14, 2007.

Kelly, James M. and Konstantinidis, Dimitrios. "Low-Cost Seismic Isolators for Housing in Highly-Seismic Developing Countries." *Proceeding of the ASSISI 10th World Conference on Seismic Isolation, Energy Dissipation and Active Vibrations Control of Structures*. Istanbul, Turkey, May 28-31, 2007.

Pinarbasi, Seval; Konstantinidis, Dimitrios; and Kelly, James M. "Seismic Isolation for Soft-Story Buildings." *Proceeding of the ASSISI 10th World Conference on Seismic Isolation, Energy Dissipation and Active Vibrations Control of Structures*. Istanbul, Turkey, May 28-31, 2007.

Konstantinidis, Dimitrios and Makris, Nicos. "Experimental and Analytical Studies on the Seismic Response of Freestanding and Restrained Laboratory Equipment." *Proceedings of the 100th Anniversary Earthquake Conference Commemorating the 1906 San Francisco Earthquake*. San Francisco, California, USA, April 18-22, 2006.

Kelly, James M. and Konstantinidis, Dimitrios. "Seismic Response of Standard Thermal Expansion Bridge Bearings." *Proceedings of the 2005 Bridge Research Conference sponsored by Caltrans and CTF*. Sacramento, California, USA, October 31 - November 1, 2005.

Konstantinidis, Dimitrios and Makris, Nicos. "Seismic Response Analysis of Multidrum Classical Columns." *Proceedings of the 2005 Joint ASME/ASCE/SES Conference on Mechanics and Materials (McMat2005)*. Baton Rouge, Louisiana, USA, June 1-3, 2005.

Konstantinidis, Dimitrios and Makris, Nicos. "Earthquake Analysis of Multidrum Columns." *Proceedings of the Fifth International Conference on Earthquake Resistant Engineering Structures (ERES 2005)*. Skiathos, Greece, May 30 - June 1, 2005.

Konstantinidis, Dimitrios and Makris, Nicos. "Experimental and Analytical Results on the Seismic Response of Slender Laboratory Equipment." *Proceedings of the ATC-29-2 Seminar on Seismic Design, Performance, and Retrofit of Nonstructural Components in Critical Facilities*. Newport Beach, California, October 23-24, 2003.

Makris, Nicos and Konstantinidis, Dimitrios. "The Rocking Spectrum, Existing Design Guidelines, and a Scale Invariance." *Proceedings of the Fédération internationale du béton 2003 Symposium (FIB 2003)*. Athens, Greece, May 6-9, 2003.

Makris, Nicos and Konstantinidis, Dimitrios. "The Rocking Spectrum and the Limitations of Design Guidelines." *Proceedings of the 15th ASCE Engineering Mechanics Division Conference at Columbia University (EM 2002)*. New York, NY, June 2-5, 2002.

Makris, Nicos and Konstantinidis, Dimitrios. "The Rocking Spectrum and the Limitations of Design Guidelines." *Proceedings of the Third World Conference on Structural Control 2002 (3WCSC)*. Como, Italy, April 7-12, 2002. John Wiley and Sons Limited.