



STRUCTURAL ENGINEERING

PhD Theses

Current as of May 2007

YEAR	THESIS TITLE	AUTHOR	SUPERVISOR(S)
2007	Efficient Numerical Techniques for Predicting Process-Induced Stresses and Deformations in Composite Structures	Arafath, Abdul R. A.	R. Vaziri
2006	Evaluation of the Effects of Non-Linear Soil-Structure Interaction on the Inelastic Seismic Response of Pile-Supported Bridge Piers	Ghalibafian, H.	C. Ventura
2006	An Efficient Unit Cell-Based Numerical Model for Continuum Representation of Fabric Systems	Shahkarami Noori, A.	R. Vaziri
2006	Viscoelastic Constitutive Models for Evaluation of Residual Stresses in Thermoset Composites During Cure	Zobeiry, N.	R. Vaziri
2005	Design of Viscous and Friction Damper Systems for the Optimal Control of the Seismic Response of Structures	Dowdell, D.	C. Ventura
2005	Rational Method for Analysis and Design of Steel Plate Walls	Kharrazi, M. H. K.	C. Ventura/H. Prion
2004	An Engineering Approach to the Simulation of Gross Damage Development in Composite Laminates	Floyd, A.	R. Vaziri
2004	Seismic Demand in High-rise Concrete Walls	White, T.	P. Adebar
2003	Reverse-Cyclic Shear in Reinforced Concrete Elements	Gerin, M. C.	P. Adebar
2003	Performance-based Seismic Design using Designed Experiments and Neural Networks	Zhang, J.	R. Foschi
2003	Engineering Qualitative Analysis and its Application on Fatigue Design of Steel Structures	Zhou, Y.	S. Stierner
2001	A Proposed Damage Model for R/C Bridge Elements under Cyclic Loading	Hindi, R.	R. Sexsmith
2000	Linear and Nonlinear Flexural Stiffness Models for Concrete Walls in High-Rise Buildings	Ibrahim, A. M. M.	P. Adebar
2000	Constitutive and Analytical Models for Structural Composite Lumber with Applications in Bolted Connections	Moses, D.	H. Prior
2000	Seismic Performance of Braced Timber Frames	Popovski, M.	H. Prion
1999	Operation and Control of a Seismic Simulator	Latendresse, V.	C. Ventura
1999	An Inverse Reliability Method and its Applications in Engineering Design	Li, H.	R. Foschi
1999	Seismic Behaviour of Steel Plate Shear Walls by Shake Table Testing	Rezai, M.	C. Ventura/H. Prion
1998	An Inverse Reliability Method and its Applications in Engineering Design	Li, H.	R. Foschi
1998	An Engineering Approach to modelling the Impact and Ballistic Response of Laminated Composite Structures	Quan, X.	R. Vaziri
1997	Failure Analysis of Stiffened and Unstiffened Mild Steel Plates Subjected to Blast Loading	Fagnan, J.	M. Olson

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1997	Stochastic Finite Element Analysis of the Load-Carrying Capacity of Laminated Wood Beam-Columns	Folz, B. R.	R. Foschi
1997	Analysis of the Deformation and Failure of Blast-Loaded Unstiffened and Stiffened Plates	Rudrapatna, N. R.	R. Vaziri