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Advising Theses

ÜNAY A. İ., A comparative structural and architectural analysis of earthquake resistant design principles applied in reinforced concrete residential buildings in Turkey, Doctorate, C.Özmen(Student), 2008

ÜNAY A. İ., A comparative study on earthquake resistance of reinforced concrete and masonry residential buildings in small-scale cities of Turkey, Doctorate, A.Er(Student), 2008

ÜNAY A. İ., Inquiry into the underwater structures : architectural approaches to design considerations, Postgraduate, D.Koyuncu(Student), 2007

ÜNAY A. İ., Comparison of elastic and inelastic behavior of historic masonry structures at the low load levels, Postgraduate, G.Önder(Student), 2007

ÜNAY A. İ., The influence of digital technologies on the interaction of design and manufacturing processes, Postgraduate, G.Çingir(Student), 2006

ÜNAY A. İ., Evaluation of architectural and consciousness exploration architecture-based issues in seismic design, Postgraduate, H.Evgin(Student), 2005

ÜNAY A. İ., Geometrical analysis of bridge forms and their feasibility in structural design, Postgraduate, A.Berk(Student), 2005

ÜNAY A. İ., Some observations on the seismic behaviour of traditional timber structures in Turkey, Postgraduate, A.Er(Student), 2004

ÜNAY A. İ., Developing an innovative architectural and structural solution for seismic strengthening of reinforced concrete residential buildings, Doctorate, S.Toker(Student), 2004

ÜNAY A. İ., An innovative methodology and structural analysis for relocation of historical masonry monuments : a case study in Hasankeyf, Postgraduate, İ.Neşe(Student), 2004

ÜNAY A. İ., An analysis on load transfer mechanisms within the structural elements, Postgraduate, E.Sezen(Student), 2002

ÜNAY A. İ., Commonly encountered seismic design faults in reinforced concrete residential architecture in Turkey, Postgraduate, C.Özmen(Student), 2002

ÜNAY A. İ., KARAESMEN E., Quantitative interconnection of structural sizing with aesthetic considerations in design of long spanning bridges., Postgraduate, Y.Suyolcu(Student), 2002

ÜNAY A. İ., Critical appraisal of long span cable roof structures for potential applications in Turkey., Postgraduate, A.Aybars(Student), 2002

ÜNAY A. İ., An analysis of the interrelation between structural materials and architecture: Frontiers of construction., Postgraduate, M.Özbek(Student), 2001

ÜNAY A. İ., Structural convenience of steel bracing systems for the lateral resistance of building structures, Postgraduate, B.Burçin(Student), 2000

ÜNAY A. İ., Development of arch form; exploring the behavior of masonry arches and arch bridges by finite element analysis, Postgraduate, S.Toker(Student), 2000

ÜNAY A. İ., An analysis of various expressions of structural function in contemporary architectural morphology, Postgraduate, T.Kocatürk(Student), 1999

Published journal articles indexed by SCI, SSCI, and AHCI

- I. **Commonly encountered seismic design faults due to the architectural design of residential buildings in Turkey**
Ozmen C., Unay A. I.
BUILDING AND ENVIRONMENT, vol.42, no.3, pp.1406-1416, 2007 (SCI-Expanded)
- II. **Re-characterization of architectural style of reinforced concrete building facades by exterior seismic strengthening**
Toker S., Unay A. U.
BUILDING AND ENVIRONMENT, vol.41, no.12, pp.1952-1960, 2006 (SCI-Expanded)

Refereed Congress / Symposium Publications in Proceedings

- I. **Seismic Assessment of Monastery of Stoudios (Imrahor Mosque) in Istanbul**
Kucukdogan B., Kubin J., Unay A. I.
7th International Conference on Structural Analysis of Historic Constructions, Shanghai, China, 6 - 08 October 2010, pp.721-722
- II. **Seismic strengthening of historical structures by enfolding steel skeleton**
Ormecioglu H. T., Unay A. I.
5th International Conference on Behaviour of Steel Structures in Seismic Areas, Yokohama, Japan, 14 - 17 August 2006, pp.835-840
- III. **Exploration of structural chaos and anarchy in Sinan's domed structures**
Selcuk S., Akan A., Unay A.
8th Conference on Shell Structures, Theory and Applications, Jurata, Poland, 12 - 14 October 2005, pp.605-608

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