



## NEESR Award



**Drs. Ahmad Hamid and Franklin Moon**, in collaboration with Dr. Benson Shing of the University of California-San Diego and Dr. Art Schultz of the University of Minnesota have been awarded a National Science Foundation (NSF) grant for the amount of \$1,150,000 over three years starting June 1<sup>st</sup>, 2012.

This project entitled "**NEESR: Seismic Performance and Design of Partially-Grouted Reinforced Masonry Buildings**," will result in economically competitive design details and retrofit methods to enhance the seismic performance and safety of partially-grouted reinforced masonry wall systems. Almost all reinforced masonry construction in the mid-western and eastern parts of the US are partially grouted, and recent research at Drexel University has shown that current code design provisions are inadequate. The outcome of the experimental and analytical investigations will be instrumental in improving code's design provisions for new construction and in seismic retrofitting of deficient existing buildings.

## Steel Bridge Team to attend the 2012 National Student Steel Bridge Competition

The CAEE Department's Steel Bridge Team placed 2nd overall in the American Society of Civil Engineers (ASCE) 2012 Mid-Atlantic Student Conference at Lafayette College on April 28 -29. The Steel Bridge team took first place in both the display and stiffness categories. As a result of their overall finish, the Steel Bridge Team has been invited to compete in the 2012 ASCE/AISC National Student Steel Bridge Competition at Clemson University on May 25 and 25, 2012. More information can be found here:

<http://www.clemson.edu/ces/steel-bridge/>

The CAEE Department's Concrete Canoe Team also placed 2nd overall at the Mid-Atlantic Student Conference at Lafayette College. The team finished first in the design paper presentations and second in product display.



## 2012 ASCE Philadelphia Section Engineer of the Year

**Dr. Joseph Martin** will be recognized at the 2012 American Society of Civil Engineers (ASCE) Philadelphia Chapter Spring Social on May 18th. He will be accepting the Philadelphia Section's Civil Engineer of the Year Award. CAEE alumnus, Jeremy Chrzan (2002) will be accepting the Young Civil Engineer of the Year Award. For more information visit the ASCE Philadelphia Section [website](#).

## New Book to be Published in Brazil

**Dr. Ahmad Hamid**, together with co-authors Guilamre Parsekian of St. Carlos University, Brazil and Robert Drysdale, of McMaster University, Hamilton, Canada have written the first Brazilian edition of the textbook *Structural Masonry* will be published by the University of St. Carlos, Brazil in June 2012. The First and Second American version of this book was published by Prentice Hall in 1994 and by the Masonry Society in 1999 and 2008, respectively. The first Canadian version was published by Canada Masonry Center in 2005. This book is the most widely used book in North America by practicing engineers and by civil/architectural engineering senior students in American and Canadian universities. The book covers the basic concepts and science and engineering fundamentals in the analysis, design and retrofit of building envelope. Interested individuals may order an electronic copy via Amazon.com and search by title, author's name or ISBN number : 9781620956236

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