

CAC M. DAO
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EDUCATION

Ph.D. –Engineering Mechanics - The University of Arizona, 2007.
M.S. – Engineering Mechanics - The University of Arizona, 2000.
B.S. – Civil Engineering – Honors, Cum Laude, The University of Arizona, 1998.
B.S. – Structural Engineering – Honors, Phu Tho Polytechnic University, South Vietnam, 1980.

ACADEMIC EXPERIENCE

University of Arizona, Professor of Practice, Department of Civil Engineering and Engineering Mechanics (CEEM), 7/2017-present.
University of Arizona, Adjunct Faculty, College of Engineering, 8/2013-present.
University of Arizona, Adjunct Faculty, CEEM, 1/2013-6/2017.
Phu Tho Polytechnic University, Assistant Professor, South Vietnam, 1/1981-12/1983.

TEACHING EXPERIENCE

ENGR 102B – Introduction to Engineering Design.
CE 210 – Engineering Graphics.
CE 214 – Engineering Mechanics Statics.
CE 215 – Mechanics of Solids.
CE 260 – Computer Programming in Civil Engineering - MATLAB.
CE 303 – Numerical Analysis for Civil Engineers.
CE 310 – Probability and Statistics in Civil Engineering.
CE 343 – Soil Mechanics.
CE434/534 - Design of Wood and Masonry Structures.
CE 435/535 – Prestressed Concrete Structures.

NON-ACADEMIC EXPERIENCE

Intelligent Integrated Structural Health Monitoring, PLLC – Founder, Manager, 1/2016-present.
Raytheon Missile Systems – Structural Analyst, 6/2000-12/2006.
Paul-Kohler Consulting Structural Engineers, Inc.- Intern, 10/1998-5/1999.
Pima Association of Governments, Transportation Planning Division, Arizona Department of Transportation -State Service Intern, 6/1996 – 7/1997.
Construction Contractor, Saigon, Vietnam – 1983-1989.

HONORS AND AWARDS

Graduate Student Award, College of Engineering, University of Arizona, 2007.
Graduate College Registration Scholarship, University of Arizona, 2005-2006.
Gates Millennium Scholars, 2000-2004.
John S. Sundt Memorial Scholarship, 1999-2000.
Graduate College Fellowship, University of Arizona, 1999-2000.
Graduate College Registration Scholarship, University of Arizona, 1999-2000.
Graduate College Minority Fellowship, University of Arizona, 1998-1999.

Graduate Academic Resident Scholarship, University of Arizona, 1998-1999.
Graduate College Minority Registration Scholarship, University of Arizona, 1998-1999.
Robie Gold Medals (Undergraduate Outstanding Senior Award), University of Arizona, 1998.
Ashton Company Scholarship, 1997-1998.
Spirit of Achievement Scholarship, University of Arizona, 1996-1997.
Gramm Civil Engineering School Scholarship, 1996-1997.
BPOE Elks Club 385 Scholarship, 1995.

SERVICE ACTIVITIES

President- Graduate Students Council, Department of Civil Engineering & Engineering Mechanics, University of Arizona, 2000-2002.
Commissioner - Pima County Domestic Violence Commission, 1996.
Committee Member - Bilingual Education Study Committee of Tucson Unified School District, Tucson, Arizona, 1997.

PUBLICATIONS

Kundu, T., D. Placko, K. R. Ehsan, T. Yanagita, C. M. Dao, "Ultrasonic Field Modeling: A Comparison between Analytical, Semi-Analytical and Numerical Techniques", IEEE Transactions on Ultrasonics, Ferroelectric and Frequency Control, Vol. 57, pp. 2795-2807, 2010.

Dao, C. M., S. Das, S. Banerjee, and T. Kundu, "Wave Propagation In A Fluid Wedge Over A Solid Half-Space Mesh-Free Analysis with Experimental Verification", International Journal of Solids and Structures, Vol. 46, pp. 2486-2492, 2009.

Dao, C. M., S. Das, S. Banerjee, and T. Kundu, "Effect of a Fluid Wedge on the Wave Propagation along a Fluid-Solid Interface: A Modeling Approach", Proceedings of the 6th Int. Workshop on Structural Health Monitoring, Stanford Univ., CA, USA, Sept. 11-13, 2007, Pub. DEStech Inc., Lancaster, PA, USA, Vol. 1, pp. 919-926, 2007.

Dao, C. M., S. Das, S. Banerjee, and T. Kundu, "Bounded Acoustic Beam in a Fluid Wedge Over a Solid Half Space: A Combined Theoretical/Experimental Investigation", Review of Progress in Quantitative Nondestructive Evaluation, Colorado School of Mines, Golden, CO, USA, July 22-27, 2007, Pub. Am. Inst. of Physics, 2007.

Das, S., C. M. Dao, S. Banerjee and T. Kundu, "DPSM Modeling for Studying Interaction between Bounded Ultrasonic Beams and Corrugated Plates", IEEE Transactions on Ultrasonics, Ferroelectric and Frequency Control, Vol. 54(9), pp. 1860-1872, 2007.

Kundu, T., S. Banerjee, S. Das and C. M. Dao, "Recent Developments in Theoretical and Experimental Investigations with Ultrasonic Sensors", Proceedings of the World Forum on Smart Materials and Smart Structures Technology SMSST'07, Chongqing and Nanjing, China, May 22-27, 2007.