

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.