

BIOGRAPHICAL SKETCH – Arindam Gan Chowdhury

Professional Preparation

Iowa State University	Engineering Mechanics	Ph.D., 2004
Indian Institute of Technology	Structural Engineering	M.Tech., 1995
Jadavpur University	Civil Engineering	B.C.E., 1992

Appointments

2006-Present	Assistant Professor (Department of Civil and Environmental Engineering) and Director of the Laboratory for Wind Engineering Research (International Hurricane Research Center), Florida International University, Miami, FL
2005-2006	Project Director, Thornton Tomasetti, Fort Lauderdale, FL
2003-2005	Project Engineer, Lear Corporation, Iowa City, IA
2002 Summer	Pollution Prevention Intern, Iowa Department of Natural Resources, Des Moines, IA
1998-2000	Partner and Project Engineer, M/s. Shapers, Kolkata, India
1995-1997	Structural Engineer, Development Consultants Limited, Kolkata, India
1992-1993	Structural Engineer, Simplex Concrete Piles Limited, Kolkata, India

Publications

- Leatherman, S.P., Gan Chowdhury, A., Robertson, C. J. (2007), "Wall of Wind Full-Scale, Destructive Testing of Coastal Houses and Hurricane Damage Mitigation," Journal of Coastal Research, 23 (5), p. 1211-1217.
- Gan Chowdhury, A., Leatherman, S.P., (2007), "Innovative Testing Facility to Mitigate Hurricane-Induced Losses," Eos Transactions American Geophysical Union, 88 (25), p. 262.
- Gan Chowdhury, A., Simiu, E., Leatherman, S.P. (2007), "Hurricane Damage Mitigation of Coastal Houses," Proceedings of the 12th International Conference on Wind Engineering, Cairns, Australia, p. 1975-1982.
- Gan Chowdhury, A., Sarkar, P.P. (2005). "Experimental Identification of Rational Function Coefficients for Time-Domain Flutter Analysis." Engineering Structures, 27 (9), p. 1349-1364.
- Sarkar, P.P., Gan Chowdhury, A., Gardner, T. B. (2004). "A Novel Elastic Suspension System for Wind Tunnel Section Model Studies." J. of Wind Engineering and Industrial Aerodynamics, 92 (1), p. 23-40.
- Gan Chowdhury, A., Sarkar, P.P. (2004). "Identification of Eighteen Flutter Derivatives of an Airfoil and a Bridge Deck." Wind and Structures, 7 (3), p. 187-202.
- Gan Chowdhury, A., Sarkar, P.P. (2003). "A New Technique for Identification of Eighteen Flutter Derivatives using Three-Degree-of-Freedom Section Model." Engineering Structures, 25 (14), p. 1763-1772.
- Gan Chowdhury, A., Sarkar, P.P. (2003). "Identification of Eighteen Flutter Derivatives." Proceedings of the 11th International Conference on Wind Engineering, Lubbock, Texas, USA, p. 365-372.
- Ganguly, K.K., Gan Chowdhury, A. (1996). "Concept of Ductility in Bridge Pier Design". Symposium of Earthquake Effects on Structures (New Delhi, India). p. V3.1-V3.13.

Synergistic Activities

- Appointed to Dissertation Advisor Status (DAS) within the Graduate Faculty of Florida International University. In addition to the privileges afforded to Graduate Faculty, the DAS allows the faculty to chair dissertation committees.
- Received *Iowa State University Research Excellence Award* for Spring 2004 in recognition of outstanding research accomplishments in the field of *Wind Engineering*. Received a letter of commendation from ISU President Geoffroy, a certificate of achievement from the Vice Provost for Research/Graduate Dean and a note on the transcript.
- Based on the Chowdhury's doctoral research, Iowa State University has applied for licensing the software titled "*Software for Experimental Identification of Eighteen Flutter Derivatives Using Wind Tunnel Tests of Section Models*". This software (ISURF # 03291) was developed by Arindam Gan Chowdhury, Partha P. Sarkar, John M. Stronck.
- Developed energy efficiency and pollution prevention techniques for automotive manufacturing processes at Lear Corporation, Iowa City Plant, IA. An article named '*Meeting the Challenge*' was published in March/April 2003 issue of 'Iowa Conservationist' Magazine, describing various accomplishments in that project.

Collaborators & Other Affiliations

Collaborators and Co-Editors

Craig Tillman (WeatherPredict), Emil Simiu (Florida International University), Jason Lin (WeatherPredict), Jayanta Guin (AIR Worldwide), John W. Knezevich (Thornton Tomasetti), Partha P. Sarkar (Iowa State University), Stephen P. Leatherman (International Hurricane Research Center, Florida International University)

Graduate and Postdoctoral Advisors

Dr. Partha P. Sarkar, Iowa State University, Ames, IA

Thesis Advisor and Postgraduate-Scholar Sponsor

Ph.D. Students:

Ivan Canino (*in progress*), Bo Yu (*in progress*)

M.S. Students:

Collette Blessing, Francisco M. Gonzalez, Roy Liu (*in progress*), Jimmy Erwin (*in progress*)