

Dr. Mahendrakumar Madhavan

Assistant Professor

Department of Civil Engineering

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Areas of Interest:

- [1] Stability of horizontally curved steel bridges
- [2] Elastic and inelastic stability of structures
- [3] Use of polymers and composites in structures
- [4] Bridge Engineering

Education:

Ph.D., Civil Engineering, University of Alabama at Birmingham, Birmingham, AL, U.S.A. 2001/ 2005

M.Eng., Civil Engineering, National University of Singapore, Singapore 1998/2000

B.E., Civil Engineering, Guindy Engineering College, Anna University, Chennai, India 1994/1998

P.E., Registered Professional Engineer, State of Alabama, USA, 2010

Professional Experience:

Indian Institute of Technology, Hyderabad, Department of Civil Engineering
Assistant Professor May 2012-present

Southern Company Services, Birmingham, AL, U.S.A, Structural Engineer
2005-2012

University of Alabama at Birmingham, Birmingham, AL, U.S.A, Graduate
Research Assistant / Graduate Fellow 2001-2005

National University of Singapore, Singapore, Research Scholar 1998-2000

Research Projects:

Retrofitting of Steel Structures using CFRP Composites

Sponsoring Agency: IIT H

Funding : Rs. 5,00,00

Duration: 2012-2015

Role: Principal Investigator

Retrofitting of Steel Structures using CFRP Composites (Submitted to DST)

Sponsoring Agency: DST

Funding : Rs. 10,00,000

Duration: 2013-2016

Role: Principal Investigator

Awards:

- [1] UAB Outstanding Achievement Award (2004)
- [2] UAB International Student Scholarship, \$ 2,500 (2004)
- [3] UAB Graduate Fellowship (2004)
- [4] Who's Who Among Students in American Universities and Colleges (2005)
- [5] Preparing Future Faculty internship funded by NSF (2003)
- [6] Thrice nominated for Academic Excellence Award at UAB (2003 - 2005)
- [7] Best Poster at University Transportation Center for Alabama annual conference - Awarded a trip to attend the Transportation Research Board (TRB) conference at Washington DC 2005
- [8] NUS Postgraduate Research Scholarship (1998 - 2000)
- [9] Phi Beta Delta, Honor Society for International Scholars (2003)
- [10] Tau Beta Phi, Engineering Honor Society (2004)
- [11] Chi Epsilon Phi, Civil Engineering Honor Society (2003)