

Dr. Manoj Chopra
Associate Professor

College **Engineering and Computer Science**
Department **Civil and Environmental Engineering**
University of Central Florida
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Education:

Ph.D.: State University of New York at Buffalo, February 1992.
M.S.: State University of New York at Buffalo, June 1988.
B. E.: Birla Institute of Technology and Science, Pilani, India, May 1985.

Professional Experience and Responsibilities:

May 1998 - present

Associate Professor

Department of Civil and Environmental Engineering
Joint Appointment: Mechanical, Materials and Aerospace Department
University of Central Florida

Duties: Teaching courses and leading a strong research program in the areas of Geomechanics, Geo-environmental Engineering and Soil-Structure Interaction. Several sponsored research projects funded by NSF, FDOT, Florida Center for Solid and Hazardous Waste, and NASA-KSC.

May 1998 – December 2003

Associate Chair

Department of Civil and Environmental Engineering
University of Central Florida

Duties: ABET Accreditation, Undergraduate Advisement, Course Scheduling and Development, FTIC and Transfer Orientations, Chair-Undergraduate Curriculum Committee.

July 1993 – April 1998

Assistant Professor

Department of Civil and Environmental Engineering
University of Central Florida
Orlando, Florida

February, 1992 - February, 1993

Post-Doctoral Research Associate

University at Buffalo Research Foundation,
State University of New York at Buffalo

INDUSTRIAL EXPERIENCE

Feb. 1993 - July 1993

Project Engineer

Automated Analysis Corporation, Ann Arbor, Michigan

Professional Service:

Registered Professional Engineer – State of Florida, 1997

PROFESSIONAL ASSOCIATION MEMBERSHIPS

- Member, American Society of Civil Engineers (ASCE).
- Member, American Society of Engineering Education (ASEE)
- Member, International Society of Soil Mechanics and Foundation Engineering (ISSMFE)
- Member, U.S. Association of Computational Mechanics (USACM)

PROFESSIONAL COMMITTEE MEMBERSHIPS

- Member, ASCE Computational Mechanics Committee, Engineering Mechanics Division, 1995-98.
- Member, ASCE Dynamics Committee, Engineering Mechanics Division, 1995-present.
- Member, Transportation Research Board (TRB) Committee on Modeling Techniques in Geomechanics - A2K05, 1997-present.
- Member, TRB NCHRP Panels on Geofam and Metallic Tensioned Structures 1997-present.
- Regional Correspondent, Newsletter, International Society of Computer Methods and Advances in Geomechanics (IACMAG), 1995-2001.

PROFESSIONAL CONFERENCE ACTIVITIES

- Conference Organizing Committee, International Deep Foundations Congress, ASCE Geo-Institute, Orlando, 2002.
- Conference Co-Chairman, BETECH2001, Orlando, Florida, September 2001.
- Conference Co-Chairman, BEM20, 20th World Conference on the Boundary Element Method, Orlando, Florida, December 1998.
- Session Chair, 14th Engineering Mechanics Conference, Austin, TX, May 2000.
- Session Chair or Co-Chair, 11th, 12th and 13th Engineering Mechanics Conference, Fort Lauderdale (1996), San Diego (1997) and Baltimore (1999).
- Session Chairman, Session on Acoustics: 9th International Conference on Boundary Element Technology (BETECH 94), Orlando, Florida, March 1994.

UNIVERSITY SERVICE ACTIVITIES

- Member of the Faculty Senate Steering Committee, 2003-present.
- Member of the Faculty Senate, 2002-present.
- Member of the GEP Assessment Committee, 2004-2005

Position	Committee	Term
Chair	TIP Criteria Committee	2003
Interim Chair	CECS Scholarships and Awards Committee	2003
Member	Faculty Senate	2002-present
Member	Faculty Senate – Graduate Council	2002-2004
Member	Subcommittee on Electronic Thesis and Dissertations	2002-2003
Member	CEE Structures Search Committee	2003
Member	UCF – Sabbatical Committee	2002
Member	CECS – Promotion and Tenure	2001 - 2003
Member	CECS – Assessment Committee	2001 - present

Member	CEE – Dept. Graduate Committee	2001 – present
Member	CECS – Grade Appeals Committee	2001 - present
Member	CEE – Awards Committee	2000 - 2001
University Contact	Gulf Coast Hazardous Substance Research Center	1996 - present
Chair	Undergraduate Curriculum Committee, CEE Dept	1998 – present
Member	CECS - Scholarships and Awards Committee	1996 - present
Member	CECS - New Building Committee	1998-2001
Member	Dean's Faculty and Staff Advisory Committee	1994-1995

SERVICE AWARDS

- Gulf Coast Hazardous Substance Research Center at Lamar University at Texas, for Outstanding Contributions as a University Contact, May 1998.

FACULTY ADVISOR ACTIVITIES

- Faculty advisor for American Society of Civil Engineers (ASCE), Student Chapter at the University of Central Florida, May 1997-present.
- Faculty advisor for Florida Engineering Society (FES), Student Chapter at the University of Central Florida, January 1994-2001.
- Faculty advisor for CECS-Deans Student Advisory Council, University of Central Florida, January 2000-2002.
- Faculty Advisor for the Student Chapter of Chi Epsilon at UCF, National Honors Society for Civil Engineering, 1995-2000.
- Advisor to the students of ASCE Student Chapter – Steel Bridge and Concrete Canoe Teams, 1997-present.
- Keynote Speaker, Tau Beta Pi Initiation Ceremony, November 16, 2002.
- Judge for the Florida Annual Science Fair, Orlando 1999 and Lakeland 2002 and Jacksonville 2003.
- Judge for the Orlando Science Center, Science Fair, Orlando, Florida, 1999, 2000 2002 and 2003.
- Judge for FJAS Florida Junior Academy of Science, Rollins College, March, 1998.
- Advisor and judge for the bridge competition during the Annual Florida SECME Olympiad Student Competition at the University of Central Florida in 1996 and 1997
- Judge for the NSBE National Convention USTR Competition, 2002.

Awards:

- 2004 Teacher of the Year, American Society of Engineers, East Central Branch, 2004
- 2003-2004 Chi Epsilon Excellence in Teaching Award for the Southern District, Chi Epsilon - Civil Engineering Honors Society
- 2003 Tau Beta Pi Professor of the Year, College of Engineering and Computer Science.
- Teaching Incentive Program (TIP) Award, University of Central Florida, 2002
- 2002 Engineering Faculty of the Year, Florida Engineering Society, August 2002
- 2001 Excellence in Environmental Engineering (shared with 4 others) American Association of Environmental Engineers, Washington, DC.
- Gold Quality Dollar Award for Continual Improvement, 2001

NASA – Kennedy Space Center, Florida.

- University Excellence in Faculty Advising, 2001, University of Central Florida
- Engineer of the Year 2000, Central Florida, 2000 National Engineers Week
- Teaching Incentive Program (TIP) Award, State of Florida (1996)
- Excellence in Faculty Advising, 1998, College of Engineering, University of Central Florida
- Engineering Professor of the Year, 1998, 1997 and 1996, Tau Beta Pi – Engineering Honors Society, College of Engineering, University of Central Florida.
- Excellence in Undergraduate Teaching, 1997, University of Central Florida
- Undergraduate Teacher of the Year, 1996-97, Department of Civil and Environmental Engineering, University of Central Florida.
- Chi Epsilon, National Civil Engineering Honors Society, 1995