

Ali Maher

Center for Advanced Infrastructure and Transportation (CAIT)
Rutgers, The State University of New Jersey
100 Brett Road, Piscataway, NJ 08854-8058
Tel: 732-445-0579 x105 – Fax: 732-445-3325

EDUCATION

1. University of Michigan, Civil Engineering, Ph.D., 1988
2. University of Michigan, Geotechnical Engineering, M.S., 1985
3. Northeastern University, Construction Engineering, M.S., 1980
4. University of Michigan, Civil Engineering, B.S., 1978

APPOINTMENTS

1. 2000 - Present: Professor of Civil Engineering, Rutgers University, New Brunswick, NJ
2. 1998 - Present: Director, Center for Advanced Infrastructure & Transportation (A USDOT funded University Transportation Center)
3. 1995 - 2007: Department Chairman, Civil and Environmental Engineering, Rutgers University, New Brunswick, NJ
4. 1995 - 2000: Associate Professor of Civil Engineering, Rutgers University, New Brunswick, NJ
5. 1994 - 1995: Associate Professor of Civil Engineering and Director of Geotechnical Laboratories, Rutgers University, New Brunswick, NJ
6. 1988 - 1994: Assistant Professor of Civil Engineering and Director of Geotechnical Laboratories, Rutgers University, New Brunswick, NJ
7. Nov. 1978 - May 1981: Project Engineer, Fredric R. Harris, Boston, MA

PUBLICATIONS

43 Refereed Journal Publications	58 Conference proceedings
3 Books and Chapter in Books	43 Invited talks
40 Research reports	

1. Bennert, T. and Maher, A., 2008, "Laboratory and Field Evaluation of a Reflective Crack Relief Interlayer (RCRI) Mix in New Jersey", *Transportation Research Record*, National Research Council, Washington, D.C.
2. Bennert, T. and Maher, A., 2007, "Evaluation of the Current State of Flexible Overlay for Rigid/Composite Pavements in the United States", *Transportation Research Record No. 1991*, National Research Council, Washington, D.C., 97 - 108 pp.
3. Maher, A., Douglas, S., Jafari, F., and Gucunski, N., 2006, "Field Placement and Evaluation of Stabilized Dredged Material (SDM) from New York/ New Jersey Harbor," *Journal of Marine Georesources and Technology*. Vol. 24, December 2006, pp. 251-263
4. Maher, A., Douglas, W.S., Yang, D., Jafari, F. and Schaefer, V. "Cement Deep Soil Mixing for Solidification of Marine Sediments," *Journal of Marine Georesources and Technology*," Vol. 25, July 2007, 221-235 pp.
5. Maher, A, Bennert, T., Jafari, F., Douglas, S., and Gucunski, N., 2004, "Geotechnical Properties of Stabilized Dredged Material from New York-New Jersey Harbor", *Transportation Research Record No. 1874*, National Research Council, Washington, D.C., 2004, pp. 86-99.
6. Gucunski, N. and Maher, M.H. (Ali), "Evaluation of Pavements and Bridge Decks by Seismic Techniques," *Civil Engineer Croatian Society of Civil Engineers*, Vol. 50, No. 7, 1998, pp. 379-387.
7. Maher, M.H. (Ali), Gucunski, N., and Papp Jr., W.J., "Recycled Asphalt Pavement as a Base and Sub-base Material", *Testing Soil Mixed with Waste of Recycled Materials*, ASTM STP 1275, American Society for Testing and Materials, 1997, pp. 42-53.

8. Maher, M. H. (Ali), Papp, W. J., Jr., and Gucunski, N., " Measurement of Soil Resilient properties Using Non-Contacting Proximity Sensors, Transportation Research Record No. 1548, National Research Council, Washington, D.C., 1996, pp. 16-23.
9. Maher, M. H. (Ali) and Nawy, E. G., " Evaluation of Fiber Optic Bragg Grating Strain sensor in High Strength Concrete Beams, submitted and accepted for publication, "Application of Fiber Optic Sensors in Engineering Mechanics," *ASCE, SPT*, May 1993, pp. 120-134.
10. Maher, M. H. (Ali), Prohaska, J. D., Chen, B., Nawy, E. G. and Snitzer, E., "Non-Destructive Evaluation of Strain in Prestressed Concrete Structural Elements Using a Novel Fiber Optic Technology," *Experimental Techniques*, Society for Experimental Mechanics, May 1993, pp.467-476.

SYNERGISTIC ACTIVITIES

1. Member of the Board, U.S. Universities Council on Geotechnical Engineering Research (USUCGER).
2. Member of ASCE, National and Local Organizations.
3. Member, Transportation Research Board, RU Representative
4. Member ASCE Technical Committee on "Soil Improvement".
5. Member ASTM Technical Committee D-18 "Soil and Rock"
6. Member, NJDOT Quality Initiative
7. Past Faculty Advisor, ASCE Student Chapter, Rutgers University.
8. Reviewer of Technical Proposals, National Science Foundation.
9. Research Associate, UTRC-Region II.
10. Member of Rutgers University Hearing Committee.
11. Member of Rutgers University Health and Safety Committee.

COLLABORATORS AND OTHER AFFILIATIONS

(i) Collaborators (past 48 months)

1. Samer Madanat, Xenel Professor of Engineering, Department of Civil and Environmental Engineering, University of California - Berkeley
2. Kevin Womack, Director of Utah Transportation Center, Utah State University

(ii) Graduate Advisor

Donal H. Gray & Richard D. Woods; University of Michigan, Ann Arbor, Michigan 1988

(iii) PhD Thesis Advisor (last five years)

1. Patrick Szary, Center for Advanced Infrastructure and Transportation, Rutgers University
2. Farhad Jafari, Civil and Environmental Engineering, Rutgers University
3. Thomas Bennert, Center for Advanced Infrastructure and Transportation, Rutgers University
4. Rambod Hadidi, Civil and Environmental Engineering, Rutgers University

Total Number of graduate students advised: 36

Total Number of postdoctoral scholars sponsored: 0

RESEARCH

Principal and Co-Principal Investigator on more than \$20 Million in external grants.

Expertise on NDT, Advanced Materials, Geotechnical Engineering, Smart Infrastructures, and Soil improvement

AWARDS

Recipient of a number of awards from TRB, ASCE, ACI, NJDOT, AASHTO, NJQI, Rutgers University on research and teaching excellence