

Afshin Pourmokhtarian

apourmok@syr.edu

(315) 877-3442

151 Link Hall, Civil and Environmental Engineering
Syracuse University
Syracuse, NY 13210

EDUCATION

- **Ph.D., Civil and Environmental Engineering**
 - Syracuse University, Syracuse, New York, May 2010 (expected)
 - Dissertation Topic: “*Biogeochemical modeling of soil and surface water responses to climate change in the Northeastern U.S*”
- **Master of Science, Civil and Environmental Engineering**
 - Tarbiat Modares University, Tehran, Iran, June 2005
 - Thesis Topic: “*Biological corrosion prevention in concrete sewer pipes by adding industrial waste materials as an additive*”
- **Bachelor of Engineering, Civil Engineering**
 - Tehran University, Tehran, Iran, May 2002

PUBLICATIONS / CONFERENCE PROCEEDINGS

- **Pourmokhtarian, A.,** (2007) ‘*Biological Corrosion Control in Concrete Sewer Pipes by Adding Industrial Wastes as an Additive*’ AGEP Academic Excellence Symposium, Syracuse University, Syracuse, NY
- **Badkoubi, A., Pourmokhtarian, A.,** (2005) ‘*Biological Corrosion Control in Concrete Sewer Pipes Using Industrial Wastes as an Additive*’ R’05, 7th World Congress on Integrated Resources Management (IRM), Oral Presentation and Poster, Beijing, China
- **Badkoubi, A., Pourmokhtarian, A.,** (2005) ‘*Recycled Plastic Usage in Polymeric Industries*’ R’05, 7th World Congress on Integrated Resources Management (IRM), Oral Presentation and Poster, Beijing, China
- **Pourmokhtarian, A.,** (2003) ‘*Recycling Usage in Polymeric Industries*’ 1st. National Seminar on Recycling and Waste Management on Process Industries, Oral Presentation, Tehran, Iran
- **Pourmokhtarian, A.,** (2003) ‘*Affects of Air Pollution on Tehran People’s Death*’ 1st. Air Pollution National Congress, Shahid Beheshty University, Poster Presentation, Tehran, Iran

TEACHING EXPERIENCE

- Teaching associate during academic year 2007-08 for CIE 352 (Water Resources Engineering), CIE 472/672 (Applied Microbiology) and CIE 475 (Civil and Environmental Engineering Design) at Civil and Environmental Engineering Department, Syracuse University
- Teaching assistant during academic year 2006-07 for CIE 352 (Water Resources Engineering), CIE 471/671 (Environmental Chemistry), CIE 342 (Environmental Engineering II) and CIE 475 (Civil and Environmental Engineering Design) at Civil and Environmental Engineering Department, Syracuse University
- Instructor for fluid mechanics, soil mechanics and steel structures in a private institute to prepare students who want to attend in nationwide competition for entering graduate school (MS) (2002-2003)
- Private teacher of professional AutoCAD in Civil Engineering and Architecture (1998-2000)
- Private teacher for Algebra, Mathematics, Physics and Dynamic for high school students and prepare them for Iranian governmental universities entrance exam (Konkour) (1997-1999)

INDUSTRIAL EXPERIENCE

- Trainer, leader and presenter for more than 2 years in network marketing company (2004-2006)
- Designer of Marine structures such as Jetty, Berth, Breakwater, Piles and structural designer and Controller for more than 30 months in Darya-Sazeh Consultant Engineers Co. (Second top private company in Iran – Tehran) (2001-2004)
- AutoCAD Supervisor, P.C. maintainer parallel to above experiences(2001-2004)
- Steel structural site supervisor (1999-2000)
- Interior designer for fair and exhibition, and AutoCAD drawer for 1 year (1998-1999)

AWARDS AND HONORS

- Teaching Associate, Syracuse University ('07-'08 academic year)
- Teaching Assistantship, Syracuse University ('06-present)
- Future Professoriate Program (FPP) ('06-present)
- American Society of Civil Engineering ('06-present)
- Golden Key International ('07-present)
- Phi Beta Delta ('07-present)
- Alumni Association of Engineering Faculty of Tehran University ('02-present)
- Member of Iranian Society of Civil Engineers, (MISCE) ('02-present)
- Member of Iranian Concrete Association, (MICA) ('02-present)
- 1st. GPA in M.S. of Civil and Environmental class 2005 (18.12/20)
- 1st. GPA Award in M.S. among Engineering Graduate Students class 2005

- 1st. Thesis point between M.S. Graduate in Civil and Environmental Engineering class 2005 (19.25/20)
- Ranked 561st. place at the nationwide entrance exam for graduate school (MS) among more than 10000 applicants (2002).
- Ranked 508 among more than 400000 applicants of the engineering majors at Iranian governmental universities entrance exam (1997).

COMPUTER SKILLS

- Highly experienced in statistical software: MINITAB, SAS
- Highly experienced in using and teaching software for Water Resources Engineering: StormCAD, WaterGEMS, PondPack, CulvertMaster, SewerCAD, and FlowMaster.
- Highly experienced in using SAP2000, ETABS2000, SAFE2000, AutoCAD, MathCAD, SDRMap, , Basic, Microsoft Office (Excel, Power Point, Word, and Front Page).
- Having experience with the programs such as, 3D Studio and Visual C++.

CERTIFICATION / WORKSHOP

- *“Climate Change in the Northeast, Union of Concerned Scientists”* Workshop, Worcester, MA (January 2008)
- *“The 44th Annual Hubbard Brook Cooperators' Meeting”*, Hubbard Brook, NH (July 2007)
- *“Iran-POPs Enabling Activity on Stockholm Convention”* Workshop, Tehran, Iran (2004)
- *“Municipal and Hospital Wastes Treatment and Disposal”* Workshop, Tehran, Iran (2004)
- *“Clean Earth Day and Waste Management in Industries and Mines”* Workshop, Tehran, Iran (2003)

ACTIVITIES

- Toastmasters International, President and Charter Member of “I-Orange” (‘07-present)
- Graduate Global Ambassadors, Vice President and Charter member (‘06-present)
- Peer assistant in Slutzker Center for International Students (Summer 2007)