

# SUBRINA TAHSIN

Phone: (786) 536-0317  
tahsin@knights.ucf.edu

1919 Summer Club Drive City,  
Oviedo, FL 32765

## EDUCATION

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- MS** University of central Florida,  
Civil and Environmental Engineering May, 2016  
CGPA 3.78/4.00
- GC\*** \*Graduate certificate July, 2014  
Florida International University,  
GIS and remote sensing  
4.00/4.00
- MS** Florida International University July, 2014  
Environmental Studies  
CGPA 3.53/4.00
- BS** Bangladesh University of Engineering and Technology,  
Urban and Regional Planning March, 2009  
CGPA 3.53/4.00

## MEMBERSHIP AND AFFILIATION

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- American society of civil engineers (Fall 2015 - Present)
- Secretary, Bangladeshi student association at University of Central Florida (Fall 2015 - Present)
- Member, Green Economist Network (Spring 2014 - Present)
- Member, Graduate students association at Florida International University (FIU) (Spring 2013 - Present)
- Lifetime member, Bangladesh Institute of Planners (BIP) (Fall 2009 – Present)
- Member, BUET Planners Association (BPA) (Fall 2009 - Present)

## RESEARCH EXPERIENCE

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- *Department of Civil and Environmental Engineering, University of Central Florida, Miami, FL*  
Graduate Research Assistant (Fall, 2015 – Summer, 2016)
  - Data mining and processing satellite images for water quality monitoring,

- Data mining and processing satellite images for flood plain management,
  - Econometric and statistical data analysis for complex database,
  - Quarterly report preparation for
- **Department of Earth and Environment, Florida international University, Miami, FL**  
Graduate Research Assistant (May 2013 – May 2014)
    - Perform GIS based spatial analysis for international hurricane research center projects,
    - Preparation of online survey template and distribution,
    - Econometric and statistical data analysis for complex database.

### **TEACHING EXPERIENCE**

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- Graduate Teaching Assistant (August 2012 – April 2014)
- Teach undergraduate courses, evaluate and grade examinations, assignments, and papers,
  - Develop teaching materials such as syllabi, visual aids, supplementary notes, and course websites.

### **INDUSTRY EXPERIENCE**

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1. **Environment, Agriculture and Development Services Ltd. , Dhaka, Bangladesh**  
(Jan 2010 - June 2012)

*I worked in the following projects.*

1. Environmental Impact Assessment of Brick Kiln Industry (**Client: Department of Environment, Bangladesh**)
2. Small Scale Water Resources Management (**Client: Local Government Engineering Department, Bangladesh**)
3. Master plan preparation (**Client: Local Government Engineering Department, Bangladesh**)

*Job Responsibilities:*

- Environmental impact assessment, EAs, EIS
- Co-ordination of field survey for water sample collection
- Satellite imagery analysis and GIS mapping to develop pollution mapping to support EAs
- Analyzing surface and ground water quality
- Master Plan preparation for pourashavas using GPS survey and remote sensing

2. **US-Bangla Assets Ltd., Dhaka, Bangladesh**  
(April 2009 - Nov' 2009)

*Position: Town Planner*

*Job Responsibilities:*

- GPS and Total Station based advanced physical feature survey, topographic and land-use Survey
- Formulated web based dynamic GIS map

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**CONFERENCE PAPERS**

- Tahsin, S. , Mozumder, P., 2014. "Endogenous risk perception, geospatial characteristics of hurricane risk perception, evacuation behavior", 2014 IRDC natural hazard workshop, Colorado, Boulder.
- Ekram, A. and Tahsin, S. 2013. "Incorporating Planning Level Measures in Transit Travel Time". Conference paper accepted for presentation in the Transport Research Forum 2013 and International Conference on Advances in Highway Engineering & Transportation Systems. Moratuwa, Srilanka.

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**HONORS AND AWARDS**

1. Best Presenter award in Seminar on Contemporary Policies in City Planning, Bangladesh Institute of Planners, Bangladesh, 2009.
2. General scholarship for academic achievements in year 2006, Bangladesh University of Engineering and Technology.

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**COMPUTER SKILLS**

- **Software:** ARCGIS, ENVI, ERDAS imagine, STATA, SAS, SPSS, AutoCAD, Micro-Station, Microsoft Project, Photoshop, Corel draw, MS Office.
- **Programming Language:** Matlab, Python (under arcgis environment)

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**REFERENCES**

1. Dr. Stephen Medeiros  
Research Assistant Professor  
Department of Civil, environmental and construction engineering  
University of Central Florida  
Email: Stephen.Medeiros@ucf.edu; Telephone: (407) 823-0522
2. Dr. Arvind Singh  
Assistant Professor  
Department of Civil, environmental and construction engineering  
University of Central Florida  
Email: Arvind.Singh@ucf.; Telephone: (407) 823-4827
3. Dr. Pallab Mozumder  
Associate Professor  
Department of Earth and Environment  
Florida International University  
Email: [mozumder@fiu.edu](mailto:mozumder@fiu.edu); Telephone: (305) 348-7146