

# ***Kamal Ahmed***

## ADDRESS

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## TITLE

Research Associate  
Instructor of Photogrammetry,  
Surveying, and Construction Engineering. University of Washington

## EDUCATION

**March, 1999**  
Ph. D. in Civil Engineering  
*Photogrammetry* University of Washington

**April, 1996**  
Ph. C. in Civil Engineering  
*Photogrammetry* University of Washington

**April, 1988**  
MSEE in Civil Engineering  
*Surveying and Photogrammetry* Cairo University, Egypt

**June, 1982**  
B.Sc. in Civil Engineering  
*Civil Engineering* Cairo University, Egypt

## ACTIVITIES AND HONORS

**April, 2000**  
Coordinator, College of Engineering open house.  
University of Washington, Seattle, WA

**March, 2000**  
Speaker, workshop on using GIS to manage construction projects.

University of Washington, Seattle, WA

**January, 2000**

Elected President of the American Society for Photogrammetry and Remote Sensing - Puget Sound Region.

**September, 1998**

Panelist: Panel of Experienced TAs, Campus-Wide New TA Orientation.  
University of Washington: Seattle, WA

**April, 1998**

Received the Outstanding Teaching Assistant Award from the college of Engineering, University of Washington.

**January, 1992**

Received the Peace Fellowship to perform non-degree research in the U.S.

**June, 1982**

Received Honors degree from Cairo University for being in the top 10% of students in his class for 5 years.

**1977-1982**

Received 5 year fellowship from Cairo University for being in the top 5% of students in his class.

EMPLOYMENT INFORMATION

University of Washington, Seattle  
Post-Doctoral Research Associate.

**March 1999-present**

Photogrammetry Consultant

Performed various photo-interpretation tasks for law firms and developers.

**November, 1997-present**

University of Washington, Seattle  
Instructor

**Sept., 1996-March, 1999**

University of Washington, Seattle  
Research Engineer

**Summers of 1997 and 1998**

University of Washington, Seattle  
Teaching Assistant

**Sept., 1993-Sept., 1996**

University of Washington, Seattle Accessibility Surveyor	<b>Summers 1994 &amp; 1995</b>
Riley Mapping, Kirkland Training on Stereo Plotters and CAD	<b>Summer of 1994</b>
University of Washington, Seattle TA Orientation Program	<b>September, 1993</b>
University of Wisconsin, Madison Visiting Scholar	<b>January, 1991-July, 1993</b>
Cairo University, Cairo Assistant Lecturer	<b>Oct., 1982-Jan., 1991</b>
Bauer Egypt Geotechnical Engineering, Cairo Senior Engineer (Supervised 19 high rise building foundation projects.)	<b>April, 1983-Jan., 1991</b>
Talaat Consultants, Cairo Design Engineer	<b>August, 1982-April 1984</b>

### RESEARCH INFORMATION

#### **July, 1999-present**

Investigated the accuracy and precision of airborne laser scanning (LIDAR) technology

#### **June, 1997-present**

Monitored stand development within the blast area of Mount St. Helens using a twin-camera helicopter boom.

#### **September, 1994-present**

Developed a new technique to robustify the Least Squares method when used for monitoring structural deformations using Photogrammetry.

#### **1991-1993**

Studied the enhancement of satellite images using Digital Image Processing methods.

#### **Masters Project**

Developed a method to compute the expected value of a traverse closing error.

**B.Sc. Graduation Project**

Designed special purpose structures using modern techniques.

REFERENCES

**Fred Mannering** (206) 616-3988  
Professor and Chair, Civil Engineering, University of Washington

**John Ferguson** (206) 543-5176  
Professor, Civil Engineering, University of Washington

**Joe Mahoney** (206) 685-1760  
Professor, Civil Engineering, University of Washington

**Gil Braida** (206) 685-1411  
Consultant Engineer, Physical Plant Department, University of Washington

**Stephen Reutebuch** (206) 543-4710  
Auxiliary Faculty, College of Forest Resources, University of Washington

**Frank Scarpace** (608) 263-3973  
Professor, Civil Engineering, University of Wisconsin-Madison

**James Scherz** (608) 262-7901  
Professor, Civil Engineering, University of Wisconsin-Madison

**Mohammed Mustafa** 011-202-302-8839  
General Manager, Bauer Egypt Geotechnical Engineering.