

# TIMOTHY D. STARK

Stark Consultants, Inc.

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Professor of Civil and Environmental Engineering

University of Illinois at Urbana-Champaign

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## Education

J.D., University of Illinois at Urbana-Champaign, School of Law, Cum Laude, December, 2003

Ph.D., Virginia Polytechnic Institute, Geotechnical Engrg., advisor J.M. Duncan, 1987

M. Engineering, University of California at Berkeley, Geotechnical Engrg., advisor J.M. Duncan, 1984

B.S., University of Delaware, Civil Engineering (with honors), 1981

## License & Registration:

Attorney, State of Illinois, 2004, #6284058

Attorney, U.S. Court, Illinois Northern District, 2004

Professional Civil Engineer, Illinois, 1994, #062-048775

## Employment Record

*Professor of Geotechnical Engineering:* University of Illinois at Urbana-Champaign (UIUC), 1/91 - date.

*Vice President:* Stark Consultants, Inc., 1/97 - date.

*Assistant Professor of Geotechnical Engineering:* San Diego State University, 1/87-1/91.

*Staff Engineer:* Woodward-Clyde Consultants, Walnut Creek, CA - 6/83-9/83.

*Staff Engineer:* Woodward-Clyde Consultants, San Francisco, CA - 6/81-9/82.

*Structural Engineer:* Cooperson-Breck and Associates, Montchanin, DE - 10/80-5/81.

*Construction Inspector and Contract Manager:* Delaware Dept. of Transportation, Bear, DE - 5/80-9/80.

## Recent Legal Experience

Ohio Department of Transportation, Columbus, OH: Dispute Resolution Board Member for large Interstate expansion and reconstruction project near Cleveland, 2006 - date.

Bell, Rosenberg & Hughes, Oakland, CA: Legal expert for contract and construction claims related to Privatized Toll Road project near San Diego, California, 2005 - 2009.

Los Angeles Department of Water and Power, Los Angeles, CA: Expert for damage claims in Bel Air, California and liaison between legal and engineering departments, 2006 - date.

City of Urbana Legal Department, Urbana, IL: Externship dealing with a range of city issues, 2003.

## Selected Recent Engineering Consulting Experience

U.S. Army Corps of Engineers, Kansas City District, Kansas City, MO: Advisory Panel seismic retrofit of Tuttle Creek Dam near Manhattan, Kansas, 2005 - date.

Terracon, Des Moines, IA: Expert for bridge movement and damage near Boone, Iowa, 2008 - date.

ENVIRON, Newark, NJ: Expert for control of groundwater contamination, 2007 - date.

de la Pena & McDonald, LLP, San Francisco, CA: Expert for mudslide, San Rafael, CA, 2007 - 2008.

Geo-Logic Associates, Inc., Los Angeles, CA: Expert for liquefaction and slope stability issue, 2006 - date.

Ohio Environmental Protection Agency, Columbus, OH: Geotechnical and containment expert, 1996 - date.

Montgomery-Watson-Harza, Chicago, IL: Reservoir slope failures and repair at O'Hare Airport, 2007 - date.

Levin, Fishbein, Sedran, and Berman, Philadelphia, PA: Expert for Virginia flooding, 2006 - 2008.

Federal Highway Administration, Washington, D.C.: Use of Geosynthetics in Pavements, 2006 - 2008.

National Cooperative Highway Research Program, Guidelines for Geofoam Applications in Roadway Embankments and Slope Stabilization, 2006 - date.

American Electric Power, Columbus, OH: Expert for geotechnical and geosynthetic issues, 2002 - date.

U.S. Bureau of Reclamation, Denver, CO: Columbia River Stability at Grand Coulee Dam, 2004 - 2006.

Oxford Mining, Oxford, OH: Expert for new MSW Landfill in Oxford, OH, 2004 - 2006.

Cal Engineering, Walnut Creek, CA: Expert for static and seismic stability of dams, 2004 - 2006.

Clorox Company, Oakland, CA: Expert for expansive soil issues, 2004 - 2005.

**Dispute Resolution Board Expertise**

Understands legal and procedural aspects for claim resolution  
Understands technical aspects for claim resolution, including differing site conditions, pile driving, fill settlement and fill slope failures, pavement undercuts, pavement system construction and performance, maintenance of traffic (MOT), etc.

**Recent Awards and Recognitions**

Best Paper Award, Geo-Americas Conference, Cancun, Mexico, March 2008  
Elected Fellow, American Society of Civil Engineers (ASCE), 2005  
R.M. Quigley Award, Canadian Geotechnical Society, 2003  
Standards Development Award, American Society for Testing and Materials, 2002  
Walter L. Huber Civil Engineering Research Prize, ASCE, 1999  
University Scholar, University Scholars Program, University of Illinois, 1998-2001  
Thomas A. Middlebrooks Award, ASCE, 1998

**Research Grants and Contracts – over 30 valued over \$4.5 million****Refereed Journal Publications - 72****Other Refereed Technical Publications - 91****Research Reports - 47****Patents Granted - 5****Invited Lecture Presentations - 94****Keynote and Distinguished Lecture Presentations - 16****University Courses Taught**

- Undergraduate:
  - UIUC C.E. 480 - "Foundation Engineering," 1992 - date
  - UIUC C.E. 280 - "Soil Mechanics & Foundation Engrg.," 1991 - date
- Graduate Courses Developed:
  - UIUC C.E. 524 - "Construction and Engineering Law," 2005 - date (new course)
  - UIUC C.E. 588 - "Geotechnical Earthquake Engineering," Spring, 2012
  - UIUC C.E. 581 - "Earth Dams and Related Problems," Fall, 2001 – date
  - UIUC C.E. 498 - "Introduction to Geosynthetics," Fall, 1996 – date (new course)