

## Yogini Deshpande

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### EDUCATION

**Doctorate of Philosophy**, Civil Engineering, Materials, Purdue University, (December 2006)

*Dissertation:* "Evaluation of Commercial Rapid-Setting Materials and Rapid-Setting Self-Consolidating Concrete for Dowel Bar Retrofit Applications."

Advisor: Prof. Jan Olek

**Master of Engineering**, Geotechnical Engineering, Bombay University, India. (August 2002)

**Bachelor of Engineering**, Construction Engineering, Bombay University, India. (August 1996)

### AWARDS

- International Road Federation (IRF) Executive Leadership Program Fellowship
- William & Mary Goetz Graduate Scholarship in Civil Engineering for Best Research in Civil Engineering Materials
- Estus H. and Vashti L. Magoon Outstanding Teaching Assistant Award in the School of Civil Engineering
- Purdue Graduate Student Government and Graduate School of Purdue University Travel Grant for Research Purpose

### EXPERIENCE

Post-Doctoral Fellow, Civil and Environmental Engineering

Michigan Technological University, Houghton MI, USA

*February 2007- Present*

Graduate Research Assistant and Teaching Assistant

Purdue University, West Lafayette, IN, USA

*August 2002-December 2006*

Senior Research Fellow

Atomic Energy Regulatory Board, India

*September 1999-July 2002*

Senior Engineer

Renuka Consultants, Thane, India

*June 1996 - September 1999*

### AFFILIATIONS

American Concrete Institute (ACI)

Center for Advanced Cement-Based Materials (ACBM)

American Society for Civil Engineers (ASCE)

Society for Women Engineers, Purdue Chapter (SWE)

American Society for Testing and Materials (ASTM)

Precast/Prestressed Concrete Institute (PCI)

### PUBLICATIONS

Deshpande, Y.S. and Olek, J., (2006) Sensitivity of Rapid-Setting Self-Consolidating Concrete to Production Variables, Proceedings of the 8<sup>th</sup> International Symposium on Brittle Matrix Composites, October 23-25, 2006, Poland.

Deshpande, Y.S. and Olek, J., (2006) Development of Rapid-Setting Self-Consolidating Concrete Using Small Size Aggregate, Proceedings of the RILEM Conference on Advances in Concrete through Science and Engineering, Sept 11-13, 2006, Canada.

Deshpande, Y.S. and Olek, J., (2005) Effect Of Mixing Equipment And Mixing Sequence on Rapid - Setting Self-Consolidating Concrete, Proceedings of The Second North American Conference on the Design and Use of Self-Consolidating Concrete and The Fourth International RILEM Symposium on Self-Compacting Concrete, Hanley Wood Publications, Ed. Shah, S.P., Chicago, Oct-30 to Nov 2, pp 897-904.

Bonen, D., Deshpande, Y., Olek, J., Shen, L., Struble, L., Lange, D. and Khayat, K., (2007)  
Robustness of Self- Consolidating Concrete (*Accepted as keynote address at the 5<sup>th</sup> International RILEM Symposium on Self-Compacting Concrete in Belgium*)

**(A more detailed list will be provided on request)**

#### **INVITED TALKS**

Increasing the Performance Life of Repaired Concrete, RJ Lee Group Inc., Monroeville, PA, February 1, 2007.

Importance of Material Performance in Concrete Repair, Indian Institute of Technology, Mumbai, India, January 12, 2007.

Increasing the Performance Life of Repaired Concrete, Michigan Technological University, Houghton, MI, December 13, 2006.

Rapid-Setting Self-Consolidating Concrete: A Product Development, Halliburton, Duncan OK, December 8, 2006.

Development of Rapid-Setting Self-Compacting Concrete, Bhabha Atomic Research Center, Department of Defense, Bombay, India, January 5, 2006.

Rapid-Setting Self-Compacting Concrete: A Product Development, The Indian Concrete Institute, Veer Jijamata Technical Institute, Bombay, India, December 17, 2005.