
RESUME

KAY WILLE, Ph.D.

A. PROFESSIONAL PREPARATION

University of Michigan	Cementitious Materials & Structural Engineering	Postdoc.	2008 – 2010
University of Leipzig, Germany	Civil Engineering	Ph.D.	2008
University of Leipzig, Germany	Civil Engineering	Diploma	2002

B. APPOINTMENTS

08/2016 – Present	Associate Professor	Dept. of Civil & Env. Eng., University of Connecticut
08/2010 – 08/2016	Assistant Professor	Dept. of Civil & Env. Eng., University of Connecticut
04/2008 – 08/2010	Postdoctoral Researcher	Dept. of Civil & Env. Eng., University of Michigan
05/2002 – 03/2008	Graduate Research and Teaching Assistant	Dept. of Civil Eng. and Building Materials, University of Leipzig, Germany
09/1998 – 04/2002	Research Assistant	Dept. of Statics & Dynamics, University of Leipzig, Germany

C. PRODUCTS

(i) Five products of highest citation

1. Wille, K., El-Tawil, S., Naaman, A.E. “*Properties of strain hardening ultra high performance fiber reinforced concrete (UHP-FRC) under direct tensile loading*”, Cement and Concrete Composites, Vol. 48, 2014. Cited by 601 as of 11/09/2022.
2. Wille, K., Naaman, A.E., Parra-Montesinos, G.J. “*Ultra-High Performance Concrete with Compressive Strength Exceeding 150 MPa (22 ksi): A Simpler Way*”, ACI Materials journal, Vol. 108, 2011. Cited by 590 as of 11/09/2022.
3. Wille, K., Kim, D.J., Naaman, A.E. “*Strain-hardening UHP-FRC with low fiber contents*”, Materials and structures, Vol. 44, 2011. Cited by 394 as of 11/09/2022.
4. Wille, K., Naaman, A.E., El-Tawil, S., Parra-Montesinos, G.J. “*Ultra-high performance concrete and fiber reinforced concrete: achieving strength and ductility without heat treatment*,” Materials and Structures, published online Aug. 27th 2011, in Journal Vol. 45, No. 3, 2012, pp. 309 – 324. Cited by 344 as of 11/09/2022.
5. Wille, K., Naaman, A.E., “*Pullout Behavior of High-Strength Steel Fibers Embedded in Ultra-High-Performance Concrete*,” ACI Materials Journal, Vol. 109, No. 4, July – August 2012, pp. 479 – 488. Cited by 237 as of 11/09/2022.

(ii) Current number of products

Peer reviewed journal publications: 46,	Full paper review conference proceedings: 32
Books: 1,	Patents: 1,
Citations: 4756,	h-index:32, h10-index 52

D. SYNERGISTIC ACTIVITIES

Teaching

- *Civil Engineering Materials, Design of Reinforced Concrete Structures, Advanced Reinforced Concrete Structures, Prestressed Concrete Structures, Applied Mechanics I – Statics, Mechanics of Materials*

Research Activities

- Risk Management of Pyrrhotite-Induced Concrete Deterioration (current – supported by NIST)
 - Development of a Risk Assessment Framework for Pyrrhotite-Induced Concrete Deterioration (current – supported by NIST)
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