

**Udaya Vempati**

Married to Parvathi

Lives in Northwest Ohio

Education

B.Tech. in Electrical and Electronics Engineering, Jawaharlal Nehru Technological University, Hyderabad, India (2002)

M.S. in Electrical Engineering, University of Cincinnati, Cincinnati, Ohio (2005)

Ph.D. in Materials Science and Engineering, Johns Hopkins University, Baltimore, Maryland (2011)

Employment After UC Graduation

March 2014 – Present: Scientist I, Owens-Illinois Inc.

August 2011 – February 2014: Associate Scientist, Owens-Illinois Inc.

August 2005 – July 2011: Graduate Assistant, Johns Hopkins University

Current Job Description:

Glass scientist in the Research & Development division of Owens-Illinois Inc., a market leading manufacturing company in container glass industry. This role involves research and development of breakthrough melting and processing technologies for glass packaging industry.

Career Highlights

- University of Cincinnati Graduate Summer Research Fellowship, 2004
- National School on X-ray and Neutron Scattering, 2006
- Future Leaders Program of the American Ceramic Society, April 2014.

Publications (4 publications with 40 citations as of March 2014)

1. T.C. Hufnagel, U.K. Vempati, and J.D. Almer, [Crack-Tip Strain Field Mapping and the Toughness of Metallic Glasses](#), PloS one **8** (2013) e83289
2. U.K. Vempati, P.K. Valavala, M.L. Falk, J. Almer, and T.C. Hufnagel, [Length-scale dependence of elastic strain from scattering measurements in metallic glasses](#), Physical Review B **85** (2012) 214201
3. P. Boolchand, P. Chen, and U. Vempati, [Intermediate Phases, structural variance and network demixing in chalcogenides: The unusual case of group V sulfides](#), Journal of Non-Crystalline Solids **355** (2009) 1773
4. U. Vempati and P. Boolchand [The thermally reversing window in ternary GexPxS1- 2x glasses](#), Journal of Physics: Condensed Matter **16** (2004) S5121

Email contact: udaya.vempati@o-i.com