**Name:** Zachary Q. Gosser
Center for Nanophase Materials Sciences
Oak Ridge National Laboratory
1 Bethel Valley Rd., Oak Ridge, TN 37831

**Position Title:** Associate Technician
(865) 574-9761
gosserzq@ornl.gov

**Education:**
Indiana University, Bloomington Indiana, M.S. 2012, Physical Chemistry
University of the Cumberlands, Williamsburg Kentucky, B.S. 2008, Major: Chemistry, Minor: Physics and Math

**Professional Experience:**

| | |
|---|---|
| 2016–present | Associate Technician, Functional Hybrid Nanomaterials Group, Center for Nanophase Materials Sciences, Oak Ridge National Laboratory |
| 2013–2015 | Analytical Chemist II, Compliance Monitoring Unit, AIT Laboratories |
| 2008–2012 | Research Assistant, Nuclear Chemistry Group, Department of Chemistry, Indiana University |
| 2009–2011 | Associate Instructor, Department of Chemistry, Indiana University |

**Professional Activities, Honors, Awards:**
First Year Scholarship Award, Department of Chemistry, Indiana University, 2008-2009
Outstanding Senior in Chemistry Award, University of the Cumberlands, May 2008
George I. Alden Endowed Scholarship Award, 2006-2008
-Tuition scholarship for those majoring in the scientific areas with distinction

**Professional Memberships:**
Gamma Sigma Epsilon, National Chemistry Honor Society (Local Chapter President 2007-2008)
Sigma Pi Sigma, National Physics Honor Society (Local Chapter President 2007-2008)
Kappa Mu Epsilon, Kentucky Beta Chapter, National Mathematics Honor Society

**Peer-Reviewed Publications:**
"Measuring the fusion cross-section of light nuclei with low-intensity beams", T. K. Steinbach, M. J. Rudolph, Z. Q. Gosser, K. Brown, B. Floyd, S. Hudan, R. T. deSouza, J. F. Liang, D. Shapira, M. Famiano, Nucl. Inst. Meth. In Phys. Res. A743, 5 (2014)
"Using induced signals to sense position from microchannel plates", R.T. deSouza, Z. Q. Gosser, S. Hudan, Review of Scientific Instruments Vol 83, Issue 5 (2012)
"Near- and sub-barrier fusion of 20O incident ions with 12C target nuclei", M. J. Rudolph, Z. Q. Gosser, K. Brown, S. Hudan, R. T. deSouza, A. Chbihi, B. Jacquot, M. Famiano, J. F. Liang, D. Shapira, D. Mercier, Phys. Rev. C85, 024605 (2012)
"Sub-nanosecond time-of-flight for segmented silicon detectors", R. T. deSouza, A. Alexander, K. Brown, B. Floyd, Z. Q. Gosser, S. Hudan, J. Poehlman, M. J. Rudolph, Nucl. Instr. Meth. In Phys. Res. A632, 133 (2011)

**Graduate Advisor:**
Provost Prof. Romualdo deSouza, Indiana University