Josiah D. Kunz

**Professional Preparation**

Institution Location Major Degree Year

Illinois Institute of Technology Chicago, IL, USA Physics Ph.D. 2017

Illinois College Jacksonville, IL, USA Physics, Math Bachelor 2012

**Appointments**

Assistant Professor of Physics (tenure-track) at Anderson University, August 2016

**Publications**

1. J. Kunz, P. Snopok, M. Berz, K. Makino. Hybrid methods for simulation of muon ionization cooling channels. Proc. of IPAC 16 (2016).
2. J. Kunz, P. Snopok, M. Berz, K. Makino. The advancement of cooling absrobers in COSY Infinity. Proc. of IPAC 15 (2015). J. Kunz, P. Snopok, M. Berz, K. Makino. Matter-dominated muon accelerator lattice simulation tools for COSY Infinity. Microscopy and Microanalysis, in print (2015).
3. P. Snopok, J. Ellison, J. Kunz. Advanced simulation tools for muon-based accelerators. Cybernetics and Physics 3 (2014).
4. J. Kunz, P. Snopok, M. Berz, K. Makino. The development of stochastic processes in COSY Infinity. Proc. of IPAC 14 (2014).
5. P. Snopok, J. Kunz. Progress of the matter-dominated muon accelerator lattice simulation tools development for COSY Infinity. Proc. of NA-PAC 13 (2013).

**Synergistic Activities**

1. Research: Beamline Architect, a free, cross-platform GUI for particle accelerator simulations