Biographical Sketch
Dr. Kathryn D. Huff

Department of Nuclear Engineering, University of California - Berkeley, e-mail: huff@berkeley.edu, tel:
+1-281-734-1342

(a) Professional Preparation

The University of Chicago, Chicago, IL; Physics; B.S., 2004
The University of Wisconsin, Madison, WI; Nuclear Engineering; Ph.D., 2013
The University of California, Berkeley, CA; Nuclear Engineering; Postdoctoral Researcher, 2013–present

(b) Appointments

2013–present: **Postdoctoral Scholar**, Nuclear Science and Security Consortium, The University of California - Berkeley, Berkeley, CA

2011–2013: **Laboratory Graduate Fellow**, Used Fuel Disposition Campaign, Argonne National Laboratory, Argonne, IL

2010: **Laboratory Graduate Researcher**, Fuel Cycle Options Campaign, Idaho National Laboratory, Idaho Falls, ID

2008–2011: **Graduate Research Assistant**, Computational Nuclear Engineering Research Group, University of Wisconsin - Madison, Madison, WI

2005–2008: **Undergraduate Research Assistant**, Kavli Institute for Cosmological Physics, The University of Chicago, Chicago, IL

2006: **Undergraduate Research Assistant**, Physics Department, University of Chile, Santiago, CHILE

2003-2004: **Undergraduate Research Assistant**, Los Alamos Neutron Science Center, LANSCE–3, Los Alamos National Laboratory, Los Alamos, NM

(c) Products

1. Aruliah, D.A., Brown, C.T., Chue Hong, N.P., Davis, M., Guy, R.T., Haddock, S.H.D., **Huff, K.**, Mitchell, I., Plumbley, M., Waugh, B., White, E.P., Wilson, G.V., and Wilson, P.P.H. "Best Practices For Scientific Computing." *PLOS Biology*, Vol 1, Issue 12, 2014. arXiv:1210.0530 [cs.MS].

2. **Huff K.**, Scopatz, A., Preston, N., Wilson, P.P.H. "Rapid Peer Education of a Computational Nuclear Engineering Skill Suite." *Transactions of the American Nuclear Society Annual Conference.* Hollywood, FL. June 2011.

(d) Synergistic Activities

1. **Conference service:** (i) Technical Program Co-Chair for the Scientific Computing with Python Conference (SciPy), Austin, TX, 2013&2014.

2. **Community service:** (i) Editor, Proceedings of SciPy Scientific Computing with Python Conference, 2013. (ii) Workshop Organizer for Software Carpentry, 2011. (iii) Author, panelist, The inSCIght Scientific Computing Podcast. (iv) Co-Founder, President, The Hacker Within Scientific Computing Group, Peer-driven skill sharing. 2009-2011.

3. **Mentoring:** (i) Mentoring graduate student software projects in the Reactor Design, Neutronics, and Computational Methods group. 2013–present. (ii) Participant, University of California – Berkeley Py4Science Peer learning group. 2013–present. (iii) Curriculum Developer, Seminar Organizer, President, The Hacker Within Scientific Computing Group, Peer-driven skill sharing. 2009-2011.

4. **Teaching:** (i) Instructor, Curriculum Developer, Workshop Organizer for Software Carpentry. 10+ workshops. 2011 – present.

(e) Collaborators & Other Affiliations

Collaborators and Co-Editors: *The University of Wisconsin*: Paul P.H Wilson; Matthew J. Gidden; Anthony M. Scopatz; Robert W. Carlsen; *The University of California - Berkeley*: Jasmina A. Vujic; Per F. Peterson; Ehud Greenspan; Massimiliano Fratoni; David L. Krumwiede; Charalampos Andreades; Anselmo T. Cisneros; Lakshana Huddar; Michael R. Laufer; Madicken Munk; Raluca O. Scarlat; Jeffrey E. Seifried; Nicolas Zweibaum; *Lawrence Livermore National Laboratory*: Harris Greenberg; *Software Carpentry*: Gregory V. Wilson;

Graduate Advisers and Postdoctoral Sponsors: *The University of Wisconsin*: Paul P.H. Wilson; *Argonne National Laboratory*: W. Mark Nutt; Temitope A. Taiwo; *University of California - Berkeley*: Jasmina Vujic; Per F. Peterson; Massimiliano Fratoni;

Thesis Adviser and Postgraduate-Scholar Sponsor: Total graduate students: 0; Total postgraduate scholars: 0.