Selected Presentations

Rachel N. Slaybaugh

December 8, 2014

R.N. Slaybaugh. "PyNE and Nuclear Data: A Next Generation Tool." Sather Next Generation Nuclear Science Meeting. Lawrence Berkeley National Laboratory. 9 Dec. 2014. (invited)

R.N. Slaybaugh. "Advanced Approaches to High-Performance Computing in Nuclear: Applications to Non-Proliferation." MIIT Delegation Visit to BNRC. Berkeley, CA. 8 Dec. 2014.

R.N. Slaybaugh. "Computational Methods and Software Development in Nuclear Engineering Research." Tea at Berkeley Institute for Data Science. Berkeley, CA. 4 Dec. 2014. (invited)

R.N. Slaybaugh. "The PyNE Software Library: A Framework for ENSDF?" Nuclear Data Week Meeting. Brookhaven National Laboratory. 6 Nov. 2014.

R.N. Slaybaugh. "The Resonance Factor Method: Accelerating Monte Carlo in the Presence of Space and Energy Self-Shielding." CEA-Saclay Colloquium. Saclay, France. 26 June 2014.

R.N. Slaybaugh, T.M. Evans, P.P.H. Wilson, S.C. Wilson. "Radiation Transport: Computational Methods and Real-World Use." NC State Univ. NE Dept. Graduate Colloquium. Raleigh, NC. 8 Nov. 2012. (invited)

R.N. Slaybaugh. "Acceleration Methods for Massively Parallel Deterministic Transport." KAPL Employment Meeting. Niskayuna, NY. 30 Aug. 2011. (invited)

R. Slaybaugh, M. Arbidze, S. Lamichhane, D. O'Connor. "An Evaluation of European Union Energy Policies." UW–Madison Center for World Affairs and the Global Economy Seminar. Madison, WI. 11 May 2011.

R.N. Slaybaugh. "Krylov Methods and JFNK." UW–Madison Radiation Hydrodynamics Meeting. Madison, WI. 16 Dec. 2010. (invited)

R.N. Slaybaugh, T.M. Evans, G.G. Davidson. "Parallel Algorithms for Fixed-Source and Eigenvalue Problems." 2010 SIAM Annual Meeting. Pittsburgh, PA. 12-16 July 2010.

R.N. Slaybaugh. "Variance Reduction in MC21 using Forward Adjoint Variance Reduction (FAVRE)." Naval Reactors Shielding Video-conference. Pittsburgh, PA. Aug. 2010.

R.N. Slaybaugh. "MC21 Jaguar Coupling for Variance Reduction." KAPL Physics Forum. Niskayuna, NY. July 2009.