

Selected Presentations

Rachel N. Slaybaugh

August 14, 2017

- R.N. Slaybaugh. “Advanced Solvers and Innovation for Penetrating Radiation” Keynote Speaker, SPIE Penetrating Radiation Technical Event. 8 Aug. 2017. (invited)
- R.N. Slaybaugh. “Advancing Solvers and Challenges for Nuclear Innovative.” Lawrence Berkeley National Laboratory, IBT Seminar. 12 May 2017. (invited)
- R.N. Slaybaugh. “Advancing Reactors with Advanced Solvers and Innovative Programs.” Electric Power Research Institute. Research Meeting. 13 Feb 2017. (invited)
- R.N. Slaybaugh. “Nuclear and Innovating the Clean Energy Landscape.” French Nuclear Energy Society Young Generation Workshop. Video Meeting. 28 Sept. 2016. (invited)
- R.N. Slaybaugh. “Nuclear Innovation: Concept to Execution.” PHYSOR 2016. Sun Valley, ID. 2 May 2016. (invited)
- R.N. Slaybaugh. “The Opportunity of Global Nuclear Innovation.” 49th Japan Atomic Industrial Forum (JAIF) Annual Conference. Tokyo, Japan. 12 April 2016. (invited)
- R.N. Slaybaugh. “Exascalng Nuclear Innovation.” Keynote speaker, Conference on Data Analysis 2016. Santa Fe, NM. 4 March 2016. (invited)
- R.N. Slaybaugh. “Hybrid Transport Methods for Shielding Challenges.” Idaho National Laboratory seminar. Idaho Falls, ID. 20 Nov. 2015. (invited)
- K.L. Rowland, R.N. Slaybaugh. “Developments in the GPU-accelerated WARP Monte Carlo Neutron Transport Code.” Workshop sur l’utilisation des accélérateurs (GPUs, MICs) pour les simulations Monte-Carlo. École Polytechnique, Saclay, France. 10 July 2015.
- R.N. Slaybaugh, S.C. Wilson. “Solving Shielding Challenges: Self-Shielding and Strong Anisotropies.” Oak Ridge National Laboratory Summer Intern Series. Oak Ridge, TN. 11 Jun. 2015. (invited)
- R.N. Slaybaugh. “Hybrid Methods for Shielding Challenges: Self-Shielding and Strong Anisotropies.” Colorado School of Mines NE Program Graduate Colloquium. Golden, Colorado. 7 Jan. 2015. (invited)
- 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.” Reactor Physics Methods and Analysis Group Seminar. Areva Headquarters, Paris, France. 27 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. 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.