Selected Presentations

Rachel N. Slaybaugh

November 30, 2018

R.N. Slaybaugh. "Creating the Future of Nuclear Energy." CITRIS Research Exchange Seminar Series. Berkeley, CA. 28 Nov 2018. (invited)

R.N. Slaybaugh. Panelist for "Ethics in Nuclear Engineering and Design ." American Nuclear Society. Ornaldo, FL. 13 Nov 2018. (invited)

R.N. Slaybaugh. "U.S. Nuclear Innovation System." Commercialisation of Small Nuclear in the UK. Coventry, UK. 6 Nov 2018. (invited)

R.N. Slaybaugh. "MEITNER: The Newest ARPA-E Program." NASA iTech. New York, NY. 14 June 2018. (invited)

R.N. Slaybaugh. "Deep decarbonization: financing the rapid deployment of innovations after R&D." 2050 Today Panel. San Fancisco, CA. 15 June 2018. (invited)

R.N. Slaybaugh. "Discussion of Future Technology Development." Nuclear R&D Summit Panel. Washington, DC. 7 Mar. 2018. (invited)

R.N. Slaybaugh. "Advanced Solver for Radiation Transport." North Caroline State University Dept. Graduate Colloquium. Raleigh, NC. 1 Feb. 2018. (invited)

R.N. Slaybaugh. "Advanced Solver for Radiation Transport." University of Illinois Urbana Champaign NPRE Dept. Graduate Colloquium. Champaign, IL. 5 Dec. 2017. (invited)

R.N. Slaybaugh. "Commercialization of Nuclear Fusion Summit" Moderator, Nuclear Fusion: Reacting To Commercialization by VLAB. Palo Alto, CA. 14 Nov. 2017. (invited)

R.N. Slaybaugh. "Nuclear Energy: What Can Analytics Do for Economics and Safety?" Keynote Speaker, Industrial Machine Learning Workshop 17. San Francisco, CA. 24 Oct. 2017. (invited)

R.N. Slaybaugh. "Alternative energy, nuclear and CCS: What are the prospects?" Panelist, Low-Emissions Solution Conference at the 5th International Conference on Sustainable Development. New York, NY. 21 Sept. 2017. (invited)

R.N. Slaybaugh. "The Case for Nuclear: Communications and Analyzing Risks and Benefits" Panelist, Aspen Institute Future of Nuclear Energy Roundtable. Aspen, CO. 12 Sept. 2017. (invited)

R.N. Slaybaugh. "Advanced Solvers and Innovation for Penetrating Radiation" Keynote Speaker, SPIE Penetrating Radiation Technical Event. San Diego, CA. 8 Aug. 2017. (invited)

R.N. Slaybaugh. "Challenges & Opportunities in Developing an Innovation Culture in Nuclear." Second Annual Third Way Advanced Nuclear Summit Panel. Washington, DC. 21 Feb. 2017. (invited)

R.N. Slaybaugh. "Advancing Reactors with Advanced Solvers and Innovative Programs." Electric Power Research Institute. Research Meeting. Palo Alto, CA. 13 Feb 2017. (invited)

R.N. Slaybaugh. "Exploring the Advanced Nuclear Ecosystem." SxSW Eco Panel. Austin, TX. 12 Oct. 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. "Exascaling Nuclear Innovation." Keynote speaker, Conference on Data Analysis 2016. Santa Fe, NM. 4 March 2016. (invited)

R.N. Slaybaugh. "Exascaling Nuclear Innovation." BIDS Distinguished Lecture Series. 19 Feb. 2016. (invited)

R.N. Slaybaugh. "Lets Get Real: When can we expect commercial advanced reactors?." The Advanced Nuclear Summit and Showcase Panel. Washington, DC. 27 Jan. 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. "Hybrid Methods for Shielding Challenges: Self-Shielding and Strong Anisotropies." Colorado School of Mines NSE Program Graduate Colloquium. Golden, Colorado. 7 Jan. 2015. (invited)

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