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Papers in Refereed Journals


Proceedings of Peer-reviewed Conferences

FULL PAPERS


Boston, Massachusetts, USA.


[57] *J. P. Yurko, J. Buongiorno, “Quantitative Phenomena Identification and Ranking Table (QPIRT) for Bayesian Uncertainty Quantification”, Proceedings of ICAPP ’12, Chicago, USA, June 24-28, 2012


PAPER SUMMARIES


**Other Publications**


Cooled Reactors, INEEL/PRO-03-00565 (Rev. 1), Idaho National Engineering and Environmental Laboratory, June 2003.


Invited Lectures


“Nuclear energy: a new beginning?”, webinar at Stanford University, April 7, 2020.


Decarbonizing the Electricity Sector - Advances in Fission and Fusion, Panel at MIT Climate Action Symposium, MIT, Dec 4, 2019


“Nuclear: Slow Decline or Beginning of a New Era?”, ARPA-E Program Directors Committee, DC, Oct 8, 2019.


“Nuclear energy – a new beginning”, Senior Congressional Staff Seminar on Energy Options and Economic Opportunities for Decarbonization, MIT, April 24, 2019.


“Nuclear Energy at the Carbon Crossroads: Thrive or Decline?”, Yale University, March 29, 2018.

“Nuclear, why bother?”, Workshop on Realizing the Value of Nuclear, MIT, March 26, 2018.


[123] “How to Enable a Massive Expansion in the Use of Nuclear Energy to Combat Global Warming”, University of Michigan, Ann Arbor, MI, January 28, 2016
[128] “How to Enable a Massive Expansion in the Use of Nuclear Energy to Combat Global Warming”, Korea Advanced Institute of Science and Technology (KAIST), Daejeon, January 14, 2016
[129] “How to Enable a Massive Expansion in the Use of Nuclear Energy to Combat Global Warming”, Hanyang University and Seoul National University, January 13, 2016
[133] “Near-term, innovative reactor concepts: how to enable a massive expansion in the use of nuclear energy to combat global warming”, Kuwait Institute for Scientific Research (KISR), Kuwait City, Kuwait, January 18, 2015.

[139] “Can Small Modular Reactors Help to Expand the Use of Nuclear Energy Worldwide?”, Presentation to delegation of Total S.A., MIT, November 5, 2013.


[144] Pandora’s promise screening at MIT, Panel, 24 April 2013.


“Advanced computational methods and diagnostics for two-phase flow and heat transfer”, Oak Ridge National Laboratory, Oak Ridge, TN, January 15, 2010


“Nanofluids for Enhanced Thermal Performance of Nuclear Reactors”, UNIST, Ulsan, South Korea, December 17, 2009.


“Advanced computational methods and diagnostics for two-phase flow and heat transfer”, MIT-Brazil Workshop on Innovations in Nuclear Technology, Sao Paulo, Brazil, October 6-7, 2009.


“Near-Term Advanced Reactors for the U.S. Nuclear Industry”, Princeton University, Princeton, New Jersey, February 26, 2009


[206] “The Development of the Supercritical Light-Water-Cooled Reactor (SCWR) in the U.S.”, Seminars held at:
[207] Ministry of Energy Technology of Japan (METI), Tokyo, July 16, 2003
[208] Conference of Japan Nuclear Utilities and Vendors, Tokyo, July 17, 2003
[209] Inland Northwest Research Alliance (INRA), Idaho Falls, October 27, 2003
General Electric (GE) Nuclear, San Jose, December 5, 2002
[214] Department of Nuclear Engineering of MIT, Cambridge, December 12, 2002
[215] Department of Engineering Physics of the University of Wisconsin at Madison, January 9, 2002
[217] Idaho State University, January 31, 2003
[220] Department of Nuclear Engineering of Texas A&M, College Station, April 14, 2003
[221] Department of Nuclear Engineering of the University of California at Berkeley, November 24, 2003