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## Proceedings of Peer-reviewed Conferences

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## Invited Lectures

- [1] “Nuclear: a Versatile and Clean Energy Source for the 21<sup>st</sup> Century”, presentation to AusIMM International Uranium Conference, Aug 4, 2021.

- [2] “Nuclear Energy: the Need for Radical Innovation”, MIT-NSE Alumni Association, June 8, 2021.
- [3] “Nuclear Energy: the Opportunities for Radical Innovation”, Roundtable, Global America Business Institute (GABI), May 25, 2021.
- [4] “How to Facilitate Commercialization of New Nuclear Technologies”, 2021 Multilateral Nuclear Energy Dialogue, Global America Business Institute (GABI), May 19, 2021.
- [5] Panelist on the Role of Nuclear Energy in a Clean Energy Future, UIUC, May 6, 2021.
- [6] Panelist at the webinar on *Climate Crisis: Alternatives to a Carbon-Based Economy*, U-Mass, Amherst Apr 22, 2021.
- [7] “Nuclear: a Versatile and Clean Energy Source for the 21<sup>st</sup> Century”, presentation to Dutch Members of Parliament, e-Lise Foundation and Liberal Friends, Mar 15, 2021.
- [8] “Nuclear Energy in a Low-Carbon World: Essential Tool or Relic of the Past?”, workshop at NTHU, Taiwan, Mar 10, 2021.
- [9] “Nuclear Energy: the need for radical innovation”, panel on Roundtable on Nuclear Frontier Issues: At the Interface between Technology and Societies, Belfer Center, Harvard University, March 5, 2021.
- [10] “Nuclear: the need for radical innovation”, University of Illinois at Urbana-Champaign, online lecture, Feb 9, 2021.
- [11] “Nuclear: the need for radical innovation”, Sustainable Nuclear Energy Technology Platform (SNETP) webinar, Feb 3, 2021.
- [12] “Can Nuclear Batteries be economically competitive in large markets”, Fission Battery Workshop Series, INL, Jan 27, 2021.
- [13] “Nuclear energy: a new beginning?”, NNL-KAPL, Jan 5, 2021.
- [14] “New Nuclear: much more than just electricity”, Spanish Nuclear Society Annual Meeting, online presentation, Nov 17, 2020.
- [15] “Nuclear: the need for radical innovation”, Yale University, online lecture, Nov 12, 2020
- [16] “Nuclear: the need for radical innovation”, UC-Berkeley, online lecture, October 10, 2020
- [17] “Nuclear: a Versatile and Clean Energy Source for the 21<sup>st</sup> Century”, online presentation to the Dubai Nuclear Energy Committee, July 21, 2020.
- [18] “Nuclear Energy: why Europe should strongly support it”, online presentation to EU Members of Parliament, June 28, 2020.
- [19] “Nuclear energy: a new beginning?”, webinar at Stanford University, April 7, 2020.
- [20] “New Nuclear: small, robust, cheap and versatile”, webinar for the Electric Power Systems Center, MIT, February 28, 2020.
- [21] “Nuclear energy – a new beginning? An what role it might play in Australia”, University of Melbourne, Melbourne, Jan 29, 2020.
- [22] “Nuclear energy – a new beginning? An what role it might play in Australia”, Australian Nuclear Association, Sydney, Jan 28, 2020.
- [23] “Nuclear energy – a new beginning? An what role it might play in Australia”, ANSTO, Sydney, Jan 28, 2020.
- [24] Nuclear Batteries: why they could actually make a difference, Westinghouse Electric Company, Cranberry Township, PA, Dec 6, 2019.
- [25] Decarbonizing the Electricity Sector - Advances in Fission and Fusion, Panel at MIT Climate Action Symposium, MIT, Dec 4, 2019
- [26] “Nuclear energy – a new beginning?”, Presentation to delegation of Total S.A., MIT, Nov 18, 2019.
- [27] “The Future of Nuclear Energy in a Carbon-Constrained World - Findings from a Recent MIT study”, Yale University, online lecture, Nov 14, 2019.
- [28] “Nuclear energy – a new beginning?”, NEI Advisory Board, Boston, Nov 13, 2019.

- [29] “New nuclear or same old approach?”, Workshop on Advanced Nuclear Technologies Worldwide: Challenges and Opportunities, Madrid, Oct 17, 2019.
- [30] “Nuclear: Slow Decline or Beginning of a New Era?”, ARPA-E Program Directors Committee, DC, Oct 8, 2019.
- [31] “Nuclear energy – a new beginning?”, NEI Executive Committee, DC, Sep 19, 2019.
- [32] “New Nuclear Needs a DD&D Paradigm and Market Inversion”, NCSU, Raleigh, Sep 17, 2019.
- [33] “The Future of Nuclear Energy in a Carbon-Constrained World - Findings from a new MIT study”, Nuclear Safety Course, MIT, June 17, 2019.
- [34] “Nuclear energy – a new beginning? Findings form a Recent MIT Study”, Plant Modernization Workshop, EPRI, Charlotte, June 12, 2019.
- [35] “Nuclear energy – a new beginning?”, Applied Energy Conf, MIT May 22, 2019
- [36] “Advanced Nuclear technologies in the U.S.”, Keynote at ICAPP 2019, Juan les Pins, France, May 12-15, 2019.
- [37] “The Future of Nuclear Energy in a Carbon-Constrained World - Findings from a new MIT study”, Keynote at ICAPP 2019, Juan les Pins, France, May 12-15, 2019.
- [38] “The Future of Nuclear Energy in a Carbon-Constrained World - Findings from a new MIT study”, PPPL, Princeton, NJ, May 8, 2019
- [39] “Nuclear energy – a new beginning”, Senior Congressional Staff Seminar on Energy Options and Economic Opportunities for Decarbonization, MIT, April 24, 2019.
- [40] “The Future of Nuclear Energy in a Carbon-Constrained World - Findings from a new MIT study”, Conservation Law Foundation, Boston, April , 2019.
- [41] “The Future of Nuclear Energy in a Carbon-Constrained World - Findings from a new MIT study”, webinar of the European Nuclear Society, March 29, 2019.
- [42] “The Future of Nuclear Energy in a Carbon-Constrained World - Findings from a new MIT study”, Colorado School of Mines, Denver, March 6, 2019.
- [43] “The Future of Nuclear Energy in a Carbon-Constrained World - Findings from a new MIT study”, Swiss Nuclear Society, Zurich, February 12, 2019.
- [44] “The Future of Nuclear Energy in a Carbon-Constrained World - Findings from a new MIT study”, Poland Ministry of Energy, Warsaw, 22 January, 2019.
- [45] “The Future of Nuclear Energy in a Carbon-Constrained World - Findings from a new MIT study”, AGH Univ Science Cracow, 21 January, 2019.
- [46] “What are the key challenges for nuclear and how to address them - Findings from a new MIT study”, 2019 Energiforsk Nuclear Annual Conference on Flexible Nuclear Power and Ancillary Services, Stockholm, 23-24 January, 2019.
- [47] “The Future of Nuclear Energy in a Carbon-Constrained World”, Beijing, China, January 15, 2019.
- [48] “What role for nuclear energy in a carbon-constrained world?”, MIT-Seoul National University Symposium on the Future of Nuclear Energy in a Carbon Constrained World, Korean Press Center, Seoul, January 14, 2019.
- [49] “The Future of Nuclear Energy in a Carbon-Constrained World - Findings from a New MIT study”, Foro Nuclear, Madrid, November 20, 2018.
- [50] “Can Nuclear Energy Thrive in a Carbon-Constrained World? Findings from a new MIT study”, First strategic seminar of the Board of Directors, ORANO, Paris, November 19, 2018.
- [51] “The Future of Nuclear Energy in a Carbon-Constrained World - Findings from a New MIT study”, Lincoln Labs, MIT, November 13, 2018.
- [52] “Can Nuclear Energy Thrive in a Carbon-Constrained World? Findings from a new MIT study”, 1<sup>st</sup> Generation-IV and Small Modular Reactors Conference (G4SR-1), Ottawa, November 8, 2018.
- [53] “The Future of Nuclear Energy in a Carbon-Constrained World - Findings from a New MIT study”, Presentation to delegation of Total S.A., MIT, November 7, 2018.

- [54] “Protect the Present to Prepare the Future”, INPO Annual CEO conference, November 6, 2018.
- [55] “The Future of Nuclear Energy in a Carbon-Constrained World - Findings from a New MIT study”, Presentation to delegation of Masui, ILP, MIT, November 5, 2018.
- [56] “The Future of Nuclear Energy in a Carbon-Constrained World - Findings from a New MIT study”, NEI International Uranium Fuel Seminar, Boston, October 29, 2018.
- [57] “The Future of Nuclear Energy in a Carbon-Constrained World - Findings from a New MIT study”, MIT Energy Initiative Advisory Board meeting, MIT, October 23, 2018.
- [58] “The Future of Nuclear Energy in a Carbon-Constrained World - Findings from a New MIT study”, The MIT-Tokyo Tech Symposium on Future Nuclear Development and Deployment, Tokyo, October 9, 2018.
- [59] “The Future of Nuclear Energy in a Carbon-Constrained World - Findings from a New MIT study”, American Academy Advancement of Sciences, Washington DC, September 25, 2018.
- [60] “The Future of Nuclear Energy in a Carbon-Constrained World - Findings from a New MIT study”, FORATOM, Brussels, September 6, 2018.
- [61] “The Future of Nuclear Energy in a Carbon-Constrained World - Findings from a New MIT study”, Academie des Sciences, Paris, September 4, 2018.
- [62] “The Future of Nuclear Energy in a Carbon-Constrained World - Findings from a New MIT study”, Nuclear Industry Association, London, September 3, 2018.
- [63] “Can Nuclear Energy Thrive in a Carbon-Constrained World? Findings from a new MIT study”, University of Edinburgh, UK, August 29, 2018.
- [64] “Can Nuclear Energy Thrive in a Carbon-Constrained World? Findings from a new MIT study”, Duke Energy, Charlotte, August 14, 2018.
- [65] “Can Nuclear Energy Thrive in a Carbon-Constrained World? Findings from a new MIT study”, Nuclear Safety Course, MIT, June 14, 2018.
- [66] “Can Nuclear Energy Thrive in a Carbon-Constrained World? Findings from a new MIT study”, MIT Alumni Association of New Hampshire, Bedford, NH, June 11, 2018.
- [67] “Can Nuclear Energy Thrive in a Carbon-Constrained World? Findings from a new MIT study”, 49<sup>th</sup> Annual Meeting on Nuclear Technology (AMNT 2018), Berlin, Germany, May 29, 2018.
- [68] “The Future of Nuclear Energy in a Carbon-Constrained World: A New MIT study”, Nuclear Science and Engineering Dept., MIT, May 15, 2018.
- [69] “Can Nuclear Energy Thrive in a Carbon-Constrained World? Findings from a new MIT study”, Managing the Atom nuclear policy group, Harvard, May 3, 2018.
- [70] “Is there a Future for Nuclear in a Carbon-Constrained World? - Findings from a new MIT study”, ICAPP 2018, Charlotte, April 9, 2018.
- [71] “Nuclear Energy at the Carbon Crossroads: Thrive or Decline?”, Yale University, March 29, 2018.
- [72] “Nuclear, why bother?”, Workshop on Realizing the Value of Nuclear, MIT, March 26, 2018.
- [73] “Can Nuclear Energy Thrive in a Carbon-Constrained World? Findings from a new MIT study”, Forum of Indian nuclear industry, Kirloskar Brothers Limited’s (KBL) Corporate Office, Mumbai, January 19, 2018.
- [74] “Is Nuclear an Attractive Clean-Energy Option for Singapore?”, National University of Singapore (NUS), January 16, 2018.
- [75] “Can Nuclear Energy Thrive in a Carbon-Constrained World? Findings from a new MIT study”, Harvard School of Business, Harvard University, November 13, 2017.
- [76] “Reducing the Cost of New Nuclear: Innovations that Could Make a Difference”, Royal Academy of Engineering, London, November 8, 2017



- [77] “Can Nuclear Energy Thrive in a Carbon-Constrained World? Findings from a new MIT study”, Advanced Nuclear Technology’s Engineering, Procurement, and Construction (EPC) Workshop, EPRI, Charlotte, November 7, 2017
- [78] “The Future of Nuclear Energy in a Carbon-Constrained World: An MIT study”, MIT Energy Initiative Advisory Board meeting, MIT, October 26, 2017.
- [79] “Nuclear Energy in a Carbon-Constrained World: Thrive or Decline? - Findings from a new MIT study”, Commissariat a l’Energie Atomique (CEA), Saclay, France, October 13, 2017.
- [80] “Can Nuclear Energy Thrive in a Carbon-Constrained World? - Findings from a new MIT study”, Texas A&M, October 6, 2017.
- [81] “Can Nuclear Energy Thrive in a Carbon-Constrained World? - Findings from a new MIT study”, University of Houston, October 5, 2017.
- [82] “Can Nuclear Energy Thrive in a Carbon-Constrained World? - Findings from a new MIT study”, Zhejiang University, Hangzhou, September 3, 2017.
- [83] “Can Nuclear Energy Thrive in a Carbon-Constrained World? - Findings from a new MIT study”, Imperial College, London, June 20, 2017.
- [84] “Uncovering the Secrets of Boiling Heat Transfer with Advanced Diagnostics and Nano-engineered Surfaces”, Ljubljana University, Slovenia, June 19, 2017.
- [85] “The Future of Nuclear Energy in a Carbon Constrained World – An MIT Study”, Nuclear Energy Insider SMR Summit, Atlanta, March 30, 2107.
- [86] “What Role for Nuclear Energy in a Low-Carbon World?”, International Energy & Environment Summit, Dubai, UAE, March 18-20, 2017,
- [87] “What Will Make or Break Nuclear Energy in a Low-Carbon World – and the Potential Role of Australia”, Curtin University, Perth, Australia, January 19, 2017.
- [88] “What Will Make or Break Nuclear Energy in a Low-Carbon World – and the Potential Role of Australia”, RMIT, Melbourne, Australia, January 22, 2017.
- [89] “The Offshore Nuclear Plant (ONP) - A New Paradigm for Construction, Siting and Operations of Nuclear Plants”, Nuclear Innovation Bootcamp, University of California, Berkeley, August 4, 2016.
- [90] “What Will Make or Break Nuclear Energy in a Low-Carbon World”, EPRI Summer Seminar, Los Angeles, August 1-2, 2016.
- [91] “What Will Make or Break Nuclear Energy in a Low-Carbon World”, Oak Ridge National Laboratory, June 30, 2016
- [92] “Towards a New, Generally-Applicable, Validated Model for the Formation of the Microlayer Underneath a Growing Bubble”, International Workshop on New Understanding in Nanoscale/Microscale Phase Change, June 12-16, 2016, Trondheim, Norway.
- [93] “Nuclear Energy: Growth Opportunities/Challenges from Fuel Cycles and Small Modular Reactors”, 2016 Energy Day: Sustainable and Affordable Energy Challenge for the World, Columbia University, New York City, May 8, 2016
- [94] “Offshore nuclear: A New Paradigm for Construction, Siting and Operations of Nuclear Plants”, Oregon State University, Corvallis, Oregon, April 22, 2016
- [95] “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
- [96] “How to Enable a Massive Expansion in the Use of Nuclear Energy to Combat Global Warming”, North Carolina State University (NCSU), Raleigh, NC, January 28, 2016
- [97] “How to Enable a Massive Expansion in the Use of Nuclear Energy to Combat Global Warming”, Federal Authority for Nuclear Regulation (FANR), Abu Dhabi, January 19, 2016
- [98] “Uncovering the Secrets of Boiling Heat Transfer with Advanced Diagnostics and Nano-engineered Surfaces”, Khalifa University, Abu Dhabi, January 18, 2016.
- [99] “Uncovering the Secrets of Boiling Heat Transfer with Advanced Diagnostics and Nano-engineered Surfaces”, Shanghai Jiao Tong University (SJTU), Shanghai, January 16, 2016.

- [100] “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
- [101] “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
- [102] “Offshore nuclear: A New Paradigm for Construction, Siting and Operations of Nuclear Plants”, University of Wisconsin at Madison, November 16, 2015
- [103] “Near-term, innovative reactor concepts: how to enable a massive expansion in the use of nuclear energy to combat global warming”, MIT-China Low Carbon Energy Leaders Program, MIT, May 11, 2015.
- [104] “Can Corrosion and CRUD Deposition actually Improve Safety Margins in Light Water Reactors?”, Federal Authority for Nuclear Regulation (FANR), Abu Dhabi, January 21, 2015.
- [105] “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.
- [106] “Uncovering the Secrets of Boiling Heat Transfer with Advanced Diagnostics and Nano-engineered Surfaces”, Johns Hopkins Univ. Dec 5, 2014.
- [107] “Near-term, innovative reactor concepts: how to enable a massive expansion in the use of nuclear energy to combat global warming”, Presentation to delegation of Total S.A., MIT, November 14, 2014.
- [108] “Nuclear Reactors on Offshore Floating Platforms: Scalable and Economic Nuclear Energy to Combat Climate Change”, MIT Energy Initiative Fall Research Conference, MIT, Nov. 7, 2014.
- [109] “Uncovering the Secrets of Boiling Heat Transfer with Advanced Diagnostics and Nano-engineered Surfaces”, Georgia Institute of Technology, Atlanta, Georgia, October 24, 2014.
- [110] “Advanced Diagnostics and Surface Engineering for Boiling Heat Transfer and Quenching Phenomena”, Presentation at the kick-off meeting of the *Virtual International Research Institute of Two--Phase Flow and Heat Transfer*, EPFL, Lausanne, Switzerland, March 17, 2014.
- [111] “Can Small Modular Reactors Help to Expand the Use of Nuclear Energy Worldwide?”, Presentation to delegation of Total S.A., MIT, November 5, 2013.
- [112] “Can Small Modular Reactors Help to Expand the Use of Nuclear Energy Worldwide?”, MIT-China Low Carbon Energy Leaders Program, MIT, October 28, 2013
- [113] “Future Prospects for Nuclear Power”, MIT-China Low Carbon Energy Leaders Program, MIT, September 16, 2013.
- [114] “Enhancement of LWR Thermal Performance through the Use of Nanofluids and Nano-engineered Surfaces”, Korean Atomic Energy Research Institute (KAERI), Daejeon, Korea, May 24, 2013.
- [115] “Nanofluids and Nano-engineered Surfaces for Enhanced Thermal Performance of Nuclear Reactors”, State Nuclear Power Technology R&D Centre, Beijing, China, May 23, 2013.
- [116] Pandora’s promise screening at MIT, Panel, 24 April 2013.
- [117] “Thoughts about Advanced Diagnostics for Boiling Heat Transfer”, International Workshop on Micro and Nano Structures for Phase Change Heat Transfer, MIT Endicott House, April 23, 2013.
- [118] “Future Prospects for Nuclear Power after Fukushima”, Boston University, February 5, 2013.
- [119] “Future Prospects for Nuclear Power after Fukushima”, Presentation to delegation of Total S.A., MIT, November 6, 2012.
- [120] “Future Prospects for Nuclear Power after Fukushima”, MIT-China Low Carbon Energy Leaders Program, MIT, September 17 and October 25, 2012.

- [121] “ANS Perspective on Fukushima and the US Response to the Event”, The 9<sup>th</sup> International Topical Meeting on Nuclear Thermal-Hydraulics, Operation and Safety (NUTHOS-9), Kaohsiung, Taiwan, September 12, 2012.
- [122] “The Fukushima-Daiichi Accident: What Happened + Lessons Learned”, MIT-China Low Carbon Energy Leaders Program, MIT, August 30, 2012.
- [123] “Study of Boiling Phenomena through Direct Numerical Simulations and Advanced Experimental Techniques”, Universite Pierre et Marie Curie (Paris 6), Paris, June 28, 2012.
- [124] “Small is Beautiful? A Review of the Small Modular Reactor (SMR) Designs”, American Nuclear Society (ANS) Northeastern Section Meeting, Wellesley MA, June 21, 2012.
- [125] “Synchronized High-Speed Video, Infrared Thermometry and PIV Data for Validation of Interface-Tracking Simulations of Nucleate Boiling Phenomena”, (keynote) *ECI 8<sup>th</sup> International Conference on Boiling and Condensation Heat Transfer* Lausanne, Switzerland, June 3 2012.
- [126] “Study of Boiling Phenomena through Direct Numerical Simulations and Synchronized High-Speed Video, Infra-red Thermometry and PIV”, City College of New York, May 10, 2012.
- [127] “Advanced Diagnostics and Simulations for the Study of Boiling Heat Transfer Phenomena”, University of Houston, April 26, 2012.
- [128] “Future Prospects for Nuclear Power after Fukushima”, Laboratory for Nuclear Science, MIT, February 13, 2012.
- [129] “Nuclear Energy Beyond Fukushima”, Presentation to delegation of Total S.A., MIT, November 7, 2011.
- [130] “Impact of Fukushima on Nuclear Industry and NSE”, MIT Energy Initiative External Advisory Board, October 26-28, 2011.
- [131] “After Fukushima, Nuclear Energy 2.0: Environmental Benefits and Risks”, the MIT Energy Club, October 7, 2011.
- [132] “Nuclear Power after Fukushima: Lessons Learned and Future Prospects”, Laboratory for Nuclear Science, MIT, October 5, 2011.
- [133] “Advanced Experimental Methods for Boiling Heat Transfer”, at course on Multiphase Flow and Boiling Heat Transfer, Modern Approach and Recent Advances, Troy, NY, September 19-23, 2011.
- [134] “Enhanced LWR Thermal Performance with Nanofluids”, at course on Multiphase Flow and Boiling Heat Transfer, Modern Approach and Recent Advances, Troy, NY, September 19-23, 2011.
- [135] “Critical Evaluation of Heat Transfer Evaluation in Nanofluids”, Tufts University, April 7, 2011.
- [136] “Critical Evaluation of Heat Transfer Evaluation in Nanofluids”, Newcastle University, Newcastle, New South Wales, Australia, January 17, 2011.
- [137] “Advanced Computational Methods and Diagnostics for Two-phase Flow and Heat Transfer”, Third International Forum on 'Multidisciplinary Education and Research Center for Energy Science', Global COE, Ishigaki-jima Island, Okinawa, December 9-14, 2010.
- [138] “An Update on Nuclear Power”, 2010 IEEE Conference on Innovative Technologies for an Efficient and Reliable Electricity Supply, Waltham, MA, September 29, 2010.
- [139] “Nanofluids... when Glitzy Nanoscience meets Prosaic Engineering”, Brown University, Providence, RI, April 19, 2010.
- [140] “A Critical Investigation of Heat Transfer Enhancement in Nanofluids”, Argonne National Laboratory, Argonne, IL, March 8, 2010.
- [141] “Advanced computational methods and diagnostics for two-phase flow and heat transfer”, Oak Ridge National Laboratory, Oak Ridge, TN, January 15, 2010

- [142] “Advanced Light Water Reactors for the US Nuclear Industry”, Lincoln Labs - MIT, Lexington MA, January 11, 2010.
- [143] “Nanofluid Heat Transfer Enhancement for Nuclear Reactor Applications”, Keynote lecture at Micro/Nanoscale Heat Transfer International Conference (MNHT2009), Shanghai, China, December 18-21, 2009.
- [144] “Nanofluids for Enhanced Thermal Performance of Nuclear Reactors”, UNIST, Ulsan, South Korea, December 17, 2009.
- [145] “The ‘Renaissance’ of Nuclear Fission Energy: New Technologies ...and some Old Challenges”, Keynote lecture (in Italian) at Conferenza Nazionale di Radioprotezione, Frascati, Italy, October 28, 2009
- [146] “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.
- [147] “Innovative Safety Aspects of Advanced LWRs”, MIT-Brazil Workshop on Innovations in Nuclear Technology, Sao Paulo, Brazil, October 6-7, 2009.
- [148] “Nanofluids... at the Intersection of Glitzy Nanotechnology and Prosaic Engineering”, Worcester Polytechnic Institute (WPI), September 23, 2009.
- [149] “Near-Term Advanced Reactors for the U.S. Nuclear Industry”, Princeton University, Princeton, New Jersey, February 26, 2009
- [150] “The Nuclear Renaissance in the U.S. – Fact or Fiction? –”, Princeton Plasma Physics Laboratory (PPPL), Princeton, New Jersey, February 25, 2009
- [151] “Two-phase heat transfer diagnostic capabilities to meet R7 validation requirements”, presentation at the workshop on “Verification and Validation, Sensitivity Analysis, and Uncertainty Quantification of a Next Generation System Safety Analysis Code”, Idaho Falls, January 12, 2009.
- [152] “Present and (Near) Future of Nuclear Energy in the U.S.”, presentation at the “Rocca Day”, Polytechnic of Milan, September 29, 2008. (in Italian)
- [153] “The Nuclear Renaissance in the U.S.”, Fermilab, Batavia, Illinois, July 30, 2008.
- [154] “Heat Transfer Enhancement in Nanofluids”, Caltech, Pasadena, California, April 22, 2008.
- [155] “Nanofluids and Nuclear Power”, University of California at Berkeley, April 21, 2008.
- [156] “Heat Transfer Enhancement in Nanofluids and Their Applications to Nuclear Power”, Rensselaer Polytechnic Institute (RPI), Troy (NY), April 16, 2008.
- [157] “Heat Transfer Enhancement in Nanofluids: The MIT Research Program”, University of Leeds, United Kingdom, March 28, 2008.
- [158] “Nanofluids for Enhanced Economics and Safety of Nuclear Reactors”, University of Wisconsin at Madison, March 25, 2008.
- [159] “New Safer Nuclear Reactors”, Rencontres de Physique de la Vallee d'Aoste, La Thuile, Italy, February 27, 2008.
- [160] “Enhancement of Transport Phenomena in Nanofluids”, King Abdulaziz City of Science and Technology (KACST), Riyadh, Kingdom of Saudi Arabia, January 22, 2008.
- [161] “Nanofluids for Enhanced Economics and Safety of Nuclear Reactors”, GCEP-MIT Workshop on Nuclear Fission, Opportunities for Fundamental Research and Breakthrough in Fission University Park Hotel at MIT, Cambridge, Massachusetts, November 29, 2007.
- [162] “Nucleate Boiling and CHF Characteristics of Nanofluids”, Engineering Conferences International (ECI) - Nanofluids: Fundamentals and Applications, Copper Mountain, Colorado, September 18, 2007.
- [163] “Towards an Explanation of the Mechanism of Boiling Critical Heat Flux Enhancement in Nanofluids”, Keynote lecture at 5<sup>th</sup> International Conference on Nanochannels, Microchannels and Minichannels (ASME-ICNMM2007), June 18-20, 2007, Puebla, Mexico.

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- [165] “Use of Nanofluids for Enhanced Economics and Safety of Nuclear Reactors”, Paul Scherrer Institut (PSI), Zurich, May 21, 2007.
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