

FORGING A NEW NUCLEAR SAFETY CONSTRUCT WORKSHOP

December 3–5, 2012 Willard InterContinental Hotel Washington, DC

FINAL PROGRAM



KEYNOTE AND PLENARY SPEAKERS

- George Apostolakis, Commissioner, US Nuclear Regulatory Commission, USA
- Nils Diaz, Chair, ASME Presidential Task Force, USA
- Luis Echavarri, Director General, OECD/Nuclear Energy Agency (NEA) Admiral James Ellis (Ret). Former President and CEO. Institute for
- Nuclear Power Operations, USA
- Denis Flory, Deputy Director General, International Atomic Energy Agency
- Marc Goldsmith, President, ASME, USA
- Llewellyn King, Host and Executive Producer, "White House Chronicle", USA

- Andre-Claude Lacoste, Former President, Autorité de Sûreté Nucléaire (ASN), France
- Thomas Loughlin, Executive Director, ASME, USA
- Allison MacFarlane, Chair, US Nuclear Regulatory Commission, USA
- Richard Meserve, President, Carnegie Institution for Science, USA
- Dominique Miniere, Executive Vice President, Electricite de France
- Osamu Oyamada, Former Commissioner, Nuclear Safety Commission, Japan
- James Scarola, Chief Nuclear Officer, Progress Energy and Chair, NEI Fukushima Task Force, USA

SESSION LEADERS AND PANELISTS

Greg Ashley, President, Bechtel Nuclear Power, USA

- Kenneth R. Balkey, Senior VP, ASME Standards & Certification, and Consulting Engineer, Westinghouse Electric Company, USA
- Leonid Bolshov, Director, Russian Academy of Sciences, Nuclear Safety Institute (IBRAE), Russia
- R. William Borchardt, Executive Director for Operations, US Nuclear Regulatory Commission, USA
- Eliot Brenner, Director, US Nuclear Regulatory Commission Office of Public Affairs, USA
- Jackie Clark, President, Clark Communications, USA
- Michael Corradini, Member, US NRC Advisory Committee on Reactor Safeguards, and President, American Nuclear Society, USA
- John (Jack) Devine, Jr., Executive Consultant, USA

Romney B. Duffey, Principal, DSM Associates, USA

- Luis E. Echávarri, Director General, OECD Nuclear Energy Agency (NEA)
- Juan Eibenschutz, Director General, The National Commission on Nuclear Safety and Safeguards, Mexico
- Antoni Gurgui, Commissioner, Conseio de Seguridad Nuclear (CSN), Spain
- Thomas R. Hafera, Principal Member of Technical Staff, Worley Parsons, USA
- Norman Harrison, Director of Strategic Development, Babcock International Group, UK
- Francois Hedin, Vice President, Nuclear Engineering, Electricite de France
- David Hembree, Vice President, Emergency Response, Institute for Nuclear Power Operations (INPO), USA
- Lars Högberg, Former Member, International Nuclear Safety Advisory Group, and Former Director General, Swedish Nuclear Power Inspectorate, Sweden
- Maria Korsnick, Senior Vice President, Nuclear Operations, Constellation Energy Nuclear Group, USA
- Thomas Koshy, Head of Nuclear Power Technology Development Section, International Atomic Energy Agency
- Jukka Laaksonen, Vice President, Rusatom Overseas, Vice Chair, International Nuclear Safety Advisory Group, and Former Director General, Finnish Radiation and Nuclear Safety Authority, Finland

- David E. W. Leaver, Senior Vice President, Worley Parsons, USA
- Hee-Yong Lee, Senior Vice President, Overseas Nuclear Power Projects, Korea Electric Power Corporation, Korea
- Peter Lyons, Assistant Secretary of Nuclear Energy, U.S. Department of Energy, USA
- Shojiro Matsuura, Chairman, Japan Nuclear Safety Institute (JANSI)
- Roger J. Mattson, Nuclear Safety Consultant, USA
- Regis A. Matzie, Vice Chair, ASME Presidential Task Force, and Executive Consultant, Westinghouse Electric Company, USA
- Masaki Morishita, Deputy Director General, Japan Atomic Energy Agency, Japan
- Kenneth Mossman, Professor, Arizona State University, USA
- Olena Mykolaichuk, Chair, State Nuclear Regulatory Inspectorate of Ukraine
- Shigeo Nomura, President, Atomic Energy Society of Japan
- Anthony R. Pietrangelo, Senior Vice President and Chief Nuclear Officer, Nuclear Energy Institute, USA
- Xavier Pouget-Abadie, Safety International Delegate, Electricite de France
- Duncan Robinson, Engineering Supervisor, Constellation Energy Nuclear Group, and North American Young Generation Network Past President, ΔZII
- Shinsuke Sakai, Professor, University of Tokyo, and Member, Executive Board of Directors, Engineering Activities, Japan Society of Mechanical Engineers, Japan
- Richard R. Schultz, Distinguished Research Engineer, Idaho National Laboratory, and Professor of Practice, Department of Nuclear Engineering, Texas A&M University, USA
- Michael J. Slobodien, Director, Emergency Programs, Entergy Nuclear, USA
- Kenji Tateiwa, Manager, Nuclear Power Programs, Tokyo Electric Power Company, Japan
- Douglas E. True, President, ERIN Engineering and Research, USA
- John (Jack) Tuohy, Executive Director Nuclear, Hitachi Power Systems America, Ltd., USA
- George Vayssier, Director, Nuclear Safety Consultancy (NSC), Netherlands
- Jingquan Yan, Vice President and Chief Engineer, Shanghai Nuclear Engineering Research & Design Institute, China

Forging a New Nuclear Safety Construct Workshop

ASME Presidential Task Force on Response to Japan Nuclear Power Plant Events

MESSAGE FROM THE CHAIR

It is my distinct pleasure to confirm your participation in the above-mentioned workshop in Washington, DC, on December 3-5, 2012. We have organized the workshop agenda to provide leaders of the international nuclear community an opportunity to discuss and develop a framework of activities addressing the recommendations contained in the recently issued ASME report, "Forging a New Nuclear Safety Construct", as well as companion relevant issues. It is our intent that the workshop discussions will lead to concrete plans for a roadmap inclusive of those key actions that should be incorporated into a comprehensive safety construct for a post-Fukushima nuclear power complex, with worldwide applicability.

The ASME Presidential Task Force on Response to Japan Nuclear Power Plant Events is hosting this invitation-only workshop, chaired by Marc Goldsmith, ASME president. The participants will discuss the report, seek consensus on the need for a new nuclear safety construct based on existing and emerging safety constructs, and obtain agreement on future actions that are needed to advance its essential elements. The principal tenet is to foster ownership by responsible organizations to implement future actions worldwide. In order to limit the program to two days, we have compressed the schedule to essential meetings, while maintaining time for meaningful discussion.

We are pleased to have confirmed the attendance of a very distinguished group of participants, speakers and panelists from across the globe; about 100 key policymakers, regulators and nuclear industry executives have been confirmed. The task force members are convinced that the widespread international participation, and their diversity of opinions, will contribute to the consideration and planning for global implementation of a new nuclear safety construct.

On behalf of the task force and the ASME president, I want to thank you in advance for your contribution to the workshop. I personally look forward to having the pleasure of your company in Washington.

###

Dr. Diaz is the former chair of the U.S. Nuclear Regulatory Commission. He has more than 40 years of nuclear experience. Dr. Diaz currently is managing director of the ND2 Group, an expert policy advisor group focused on national and international nuclear power development and deployment.

Chair – Nils J. Diaz Vice Chair – Regis A. Matzie

Kenneth R. Balkey John D. Bendo John C. Devine, Jr. Romney B. Duffey Robert W. Evans



Nils J. Diaz, PhD Chair

ASME PRESIDENTIAL TASK FORCE MEMBERS

Thomas R. Hafera James A. Lake David E. W. Leaver Robert Lutz, Jr. Roger J. Mattson

Richard R. Schultz J. Robert Sims Douglas E. True John M. Tuohy, Jr.

PROGRAM

MONDAY, DECEMBER 3 COFFEE BREAK 3:00-3:30pm ASME Registration Desk opens at 4pm in the Ante Lobby (behind the Hotel Front Desk) 3:30-5:30pm WELCOMING RECEPTION The Nest, Mezzanine Level 6:00pm-7:00pm Reporting: **TUESDAY, DECEMBER 4** ASME Registration Desk opens at 7am in the Ballroom Lobby, Lower Level Design Institute, China BREAKFAST 7:30-8:30am The Crystal Room, Lobby Level 8:30-10:00am **OPENING PLENARY SESSION** Ballroom, Lower Level Chair: Marc Goldsmith, President, ASME, USA • Thomas Loughlin, Executive Director, ASME, USA • Nils Diaz, Chair, ASME Presidential Task Force, USA • Osamu Oyamada, Former Commissioner, Nuclear Safety Commission, Japan • Andre-Claude Lacoste, Former President, Autorité de Sûreté Nucléaire (ASN), France • Denis Flory, Deputy Director General, International Atomic Energy Agency with Fukushima-related initiatives. 10:00-10:30am **COFFEE BREAK Ballroom Fover** - Open Discussion -**OPENING PLENARY SESSION (cont'd)** 10:30-12:00pm Ballroom, Lower Level 3:30-5:30pm Chair: Nils Diaz, Chair, ASME Presidential Task Force, USA • Luis Echavarri, Director General, OECD Nuclear Energy Agency • James Scarola, Chief Nuclear Officer, Progress Energy / Chair, NEI Fukushima Task Force, USA • Dominique Miniere, Executive Vice President / Electricite de France • Richard Meserve, President, Carnegie Institution for Science, USA Reporting: 12:00-1:00pm LUNCH – sponsored by Westinghouse Electric Company The Willard Room, Lobby Level 1:00-1:30pm **KEYNOTE ADDRESS: Risk Management Regulatory Framework** Ballroom, Lower Level Chair: Ken Balkey, Senior Vice President, ASME Standards & Certification, and Consulting Engineer, American Nuclear Society, USA Westinghouse Electric Company, USA • George Apostolakis, Commissioner, US Nuclear Regulatory Commission, USA 1:30-3:00pm PLENARY PANEL WORKING SESSION 1 Ballroom, Lower Level The Development and Implementation of a New Nuclear Safety Construct Chair: Regis Matzie, Vice Chair, ASME Presidential Task Force, and Executive Consultant, - Open Discussion -Westinghouse Electric Company, USA Rapporteur: Richard Schultz, Distinguished Research Engineer, Idaho National Laboratory, and 5:30-6:00pm Professor of Practice, Department of Nuclear Engineering, Texas A&M University, USA Reporting: • Juan Eibenschutz, Director General, The National Commission on Nuclear Safety and Safeguards, Mexico 6:00-7:30pm **NETWORKING RECEPTION – sponsored by AREVA** • Hee-Yong Lee, Senior Vice President, Overseas Nuclear Power Projects, Korea Electric Power Corp., Korea • Antoni Gurgui, Commissioner, Consejo de Seguridad Nuclear (CSN), Spain • Anthony Pietrangelo, Senior Vice President and Chief Nuclear Officer, Nuclear Energy Institute, USA

The purpose of this session is to describe the essential elements of the New Nuclear Safety Construct, obtain a broader perspective from the workshop participants, and to move toward consensus agreement on these elements. In addition, the session should identify the set of key steps needed for its development and implementation.

- Open Discussion -

BREAKOUT SESSIONS 1 AND 2 (Concurrent Sessions)

Session 1: Extending and Standardizing the Design Basis for Severe Events

Chair: Roger J. Mattson, Nuclear Safety Consultant, USA Rapporteur: Romney B. Duffey, Principal, DSM Associates, USA

- Swedish Nuclear Power Inspectorate, Sweden

The purpose of this session is to discuss how should the design basis of nuclear power plants be extended to accommodate additional aspects of severe accidents. The issue is focused on which additional accidents or design features should be considered for operating plants and new plants. Session participants will address the ASME Task Force premise that an "all risk" approach should address the issue in a manner that includes avoiding undue socio-political and economic consequences of severe accidents. Participants will incorporate into the discussions the progress made by the global nuclear industry with the safety improvements realized in advanced designs and

Session 2: The Role of Risk-Informed Regulation and an All-Risk Approach

Chair: Ken Balkey, Senior Vice President, ASME Standards & Certification, and Consulting Engineer, Westinghouse Electric Company, USA Rapporteur: Doug True, President, ERIN Engineering and Research, USA

- Activities, Japan Society of Mechanical Engineers, Japan
- Greg Ashley, President, Bechtel Nuclear Power, USA

The purpose of this session is to address the role of risk-informed regulation and an all-risk approach in supporting the elements of a New Nuclear Safety Construct. Risks from both natural and man-made events, including rare yet credible events, are to be considered by defining appropriate risk metrics. The role of risk management standards across all nuclear power plant operating modes will also be explored.

- Breakout Sessions 1 and 2 Reporting and Summary

Ballroom Foyer

Taft Room, 2nd Floor

• R. William Borchardt, Executive Director for Operations, US Nuclear Regulatory Commission, USA • Lars Högberg, Former Member, International Nuclear Safety Advisory Group, and Former Director General,

• Jingguan Yan, Vice President and Chief Engineer, Shanghai Nuclear Engineering Research and

• Jukka Laaksonen, Vice President, Rusatom Overseas, Vice Chair, International Nuclear Safety Advisory Group, and Former Director General, Finnish Radiation and Nuclear Safety Authority, Finland

Hughes Room, 2nd Floor

Leonid Bolshov, Director, Russian Academy of Sciences Nuclear Safety Institute (IBRAE), Russia

• Shinsuke Sakai, Professor, University of Tokyo, and Member, Executive Board of Directors, Engineering

• Michael Corradini, Member, US NRC Advisory Committee on Reactor Safeguards, and President,

Ballroom, Lower Level



Ballroom Fover

WEDNESDAY, DECEMBER 5

 8:10–8:30am KEYNOTE ADDRESS: Public Acceptance Chair: John (Jack) Tuohy, Executive Director-Nuclear, Hitachi Power Systems, USA Llewellyn King, Host and Executive Producer of "White House Chronicle" 8:30–10:00am BREAKOUT SESSIONS 3 – 5 (Concurrent Sessions) 	Pierce Room, Lower Level
 Chair: John (Jack) Tuohy, Executive Director-Nuclear, Hitachi Power Systems, USA Llewellyn King, Host and Executive Producer of "White House Chronicle" 88:30–10:00am BREAKOUT SESSIONS 3 – 5 (Concurrent Sessions) Session 3: Accident Management and Human Performance Chair: Doug True, President, ERIN Engineering and Research, USA Rapporteur: Tom Hafera, Principal Member of Technical Staff, Worley Parsons, USA Reporting: Kenji Tateiwa, Manager, Nuclear Power Programs, Tokyo Electric Power Company, Jap David Hembree, Vice President, Emergency Response, Institute for Nuclear Power OF George Vayssier, Director, Nuclear Safety Consultancy (NSC), Netherlands Maria Korsnick, Senior Vice President, Nuclear Operations, Constellation Energy Nuc The purpose of this session is to address the role of accident management and human of a New Nuclear Safety Construct. This role is focused on creating a robust capability events as well as rare beyond-design basis events. This session will also address indivi human performance efforts during accidents to ensure adequate core cooling and preve amounts of radioactivity. Open Discussion – Session 4: Public Protection Chair: David Leaver, Senior Vice President, Worley Parsons, USA Reporting: Shigeo Nomura, President, Atomic Energy Society of Japan Xavier Pouget-Abadie, Safety International Delegate, Electricite de France Olena Mykolaichuk, Chair, State Nuclear Regulatory Inspectrate of Ukraine Michael Slobodien, Director, Emergency Programs, Entergy Nuclear, USA Kenneth Mossman, Professor, Arizona State University, USA The purpose of this session is to address key elements for public protection from accid state-of-the-art technica	
 Llewellyn King, Host and Executive Producer of "White House Chronicle" 8:30–10:00am BREAKOUT SESSIONS 3 – 5 (Concurrent Sessions) Session 3: Accident Management and Human Performance Chair: Doug True, President, ERIN Engineering and Research, USA Rapporteur: Tom Hafera, Principal Member of Technical Staff, Worley Parsons, USA Reporting: Kenji Tateiwa, Manager, Nuclear Power Programs, Tokyo Electric Power Company, Jap David Hembree, Vice President, Emergency Response, Institute for Nuclear Power Op Ceorge Vayssier, Director, Nuclear Safety Consultancy (NSC), Netherlands Maria Korsnick, Senior Vice President, Nuclear Operations, Constellation Energy Nuc The purpose of this session is to address the role of accident management and human of a New Nuclear Safety Construct. This role is focused on creating a robust capability events as well as rare beyond-design basis events. This session will also address indivi human performance efforts during accidents to ensure adequate core cooling and preve amounts of radioactivity. Open Discussion – Session 4: Public Protection Chair: David Leaver, Senior Vice President, Worley Parsons, USA Rapporteur: Regis Matzie, Vice Chair, ASME Presidential Task Force, and Executive Col Westinghouse Electric Company, USA Reporting: Shigeo Nomura, President, Atomic Energy Society of Japan Xavier Pouget-Abadie, Safety International Delegate, Electricite de France Olena Mykolaichuk, Chair, State Nuclear Regulatory Inspectorate of Ukraine Michael Slobodien, Director, Emergency Programs, Entergy Nuclear, USA Kenneth Mossman, Professor, Arizona State University, USA The purpose of this session is to address key elements for public protection from accid state-of-the-art technical basis for emergency planning zone size and emergency	Pierce Room, Lower Level
 Session 3: Accident Management and Human Performance Chair: Doug True, President, ERIN Engineering and Research, USA Rapporteur: Tom Hafera, Principal Member of Technical Staff, Worley Parsons, USA Reporting: Kenji Tateiwa, Manager, Nuclear Power Programs, Tokyo Electric Power Company, Jap David Hembree, Vice President, Emergency Response, Institute for Nuclear Power Op George Vayssier, Director, Nuclear Safety Consultancy (NSC), Netherlands Maria Korsnick, Senior Vice President, Nuclear Operations, Constellation Energy Nuc The purpose of this session is to address the role of accident management and human of a New Nuclear Safety Construct. This role is focused on creating a robust capability events as well as rare beyond-design basis events. This session will also address indivi human performance efforts during accidents to ensure adequate core cooling and preve amounts of radioactivity. Open Discussion – Session 4: Public Protection Chair: David Leaver, Senior Vice President, Worley Parsons, USA Rapporteur: Regis Matzie, Vice Chair, ASME Presidential Task Force, and Executive Cor Westinghouse Electric Company, USA Reporting: Shigeo Nomura, President, Atomic Energy Society of Japan Xavier Pouget-Abadie, Safety International Delegate, Electricite de France Olena Mykolaichuk, Chair, State Nuclear Regulatory Inspectorate of Ukraine Michael Slobodien, Director, Emergency Programs, Entergy Nuclear, USA Kenneth Mossman, Professor, Arizona State University, USA The purpose of this session is to address key elements for public protection from accid state-of-the-art technical basis for emergency planing zone size and emergency respoi based on more realistic accident scenarios. The Linear-No-Threshold debate in radiatio science vs. economic and social dimensions will also be reviewed. All of these key elem on a globally coordinated and integrated basis.	
 Chair: Doug True, President, ERIN Engineering and Research, USA Rapporteur: Tom Hafera, Principal Member of Technical Staff, Worley Parsons, USA Reporting: Kenji Tateiwa, Manager, Nuclear Power Programs, Tokyo Electric Power Company, Jap David Hembree, Vice President, Emergency Response, Institute for Nuclear Power Op George Vayssier, Director, Nuclear Safety Consultancy (NSC), Netherlands Maria Korsnick, Senior Vice President, Nuclear Operations, Constellation Energy Nuc The purpose of this session is to address the role of accident management and human of a New Nuclear Safety Construct. This role is focused on creating a robust capability events as well as rare beyond-design basis events. This session will also address indivi human performance efforts during accidents to ensure adequate core cooling and preve amounts of radioactivity. Open Discussion – Session 4: Public Protection Chair: David Leaver, Senior Vice President, Worley Parsons, USA Rapporteur: Regis Matzie, Vice Chair, ASME Presidential Task Force, and Executive Cor Westinghouse Electric Company, USA Reporting: Shigeo Nomura, President, Atomic Energy Society of Japan Xavier Pouget-Abadie, Safety International Delegate, Electricite de France Olena Mykolaichuk, Chair, State Nuclear Regulatory Inspectorate of Ukraine Michael Slobodien, Director, Emergency Programs, Entergy Nuclear, USA Kenneth Mossman, Professor, Arizona State University, USA The purpose of this session is to address key elements for public protection from accid state-of-the-art technical basis for emergency planning zone size and emergency respor based on more realistic accident scenarios. The Linear-No-Threshold debate in radiatio science vs. economic and social dimensions will also be reviewed. All of these key elen on a globally coordinated and integrated basis. In addition, the session should identify 	
 Rapporteur: Tom Hafera, Principal Member of Technical Staff, Worley Parsons, USA Reporting: Kenji Tateiwa, Manager, Nuclear Power Programs, Tokyo Electric Power Company, Jap David Hembree, Vice President, Emergency Response, Institute for Nuclear Power Op George Vayssier, Director, Nuclear Safety Consultancy (NSC), Netherlands Maria Korsnick, Senior Vice President, Nuclear Operations, Constellation Energy Nuc The purpose of this session is to address the role of accident management and human of a New Nuclear Safety Construct. This role is focused on creating a robust capability events as well as rare beyond-design basis events. This session will also address indivin human performance efforts during accidents to ensure adequate core cooling and preve amounts of radioactivity. Open Discussion – Session 4: Public Protection Chair: David Leaver, Senior Vice President, Worley Parsons, USA Rapporteur: Regis Matzie, Vice Chair, ASME Presidential Task Force, and Executive Cor Westinghouse Electric Company, USA Reporting: Shigeo Nomura, President, Atomic Energy Society of Japan Xavier Pouget-Abadie, Safety International Delegate, Electricite de France Olena Mykolaichuk, Chair, State Nuclear Regulatory Inspectorate of Ukraine Michael Slobodien, Director, Emergency Programs, Entergy Nuclear, USA Kenneth Mossman, Professor, Arizona State University, USA 	Brandeis Room, 2nd Floor
 Maria Korsnick, Senior Vice President, Nuclear Operations, Constellation Energy Nuc The purpose of this session is to address the role of accident management and human of a New Nuclear Safety Construct. This role is focused on creating a robust capability events as well as rare beyond-design basis events. This session will also address indivi human performance efforts during accidents to ensure adequate core cooling and preve amounts of radioactivity. Open Discussion – Session 4: Public Protection Chair: David Leaver, Senior Vice President, Worley Parsons, USA Rapporteur: Regis Matzie, Vice Chair, ASME Presidential Task Force, and Executive Cor Westinghouse Electric Company, USA Reporting: Shigeo Nomura, President, Atomic Energy Society of Japan Xavier Pouget-Abadie, Safety International Delegate, Electricite de France Olena Mykolaichuk, Chair, State Nuclear Regulatory Inspectorate of Ukraine Michael Slobodien, Director, Emergency Programs, Entergy Nuclear, USA Kenneth Mossman, Professor, Arizona State University, USA The purpose of this session is to address key elements for public protection from accid state-of-the-art technical basis for emergency planning zone size and emergency respon based on more realistic accident scenarios. The Linear-No-Threshold debate in radiatio science vs. economic and social dimensions will also be reviewed. All of these key elem on a globally coordinated and integrated basis. In addition, the session should identify 	
 The purpose of this session is to address the role of accident management and human of a New Nuclear Safety Construct. This role is focused on creating a robust capability events as well as rare beyond-design basis events. This session will also address indivi human performance efforts during accidents to ensure adequate core cooling and preve amounts of radioactivity. Open Discussion – Session 4: Public Protection Chair: David Leaver, Senior Vice President, Worley Parsons, USA Rapporteur: Regis Matzie, Vice Chair, ASME Presidential Task Force, and Executive Con Westinghouse Electric Company, USA Reporting: Shigeo Nomura, President, Atomic Energy Society of Japan Xavier Pouget-Abadie, Safety International Delegate, Electricite de France Olena Mykolaichuk, Chair, State Nuclear Regulatory Inspectorate of Ukraine Michael Slobodien, Director, Emergency Programs, Entergy Nuclear, USA Kenneth Mossman, Professor, Arizona State University, USA The purpose of this session is to address key elements for public protection from accid state-of-the-art technical basis for emergency planning zone size and emergency resport based on more realistic accident scenarios. The Linear-No-Threshold debate in radiatio science vs. economic and social dimensions will also be reviewed. All of these key elen on a globally coordinated and integrated basis. In addition, the session should identify	clear Group, USA
 Session 4: Public Protection Chair: David Leaver, Senior Vice President, Worley Parsons, USA Rapporteur: Regis Matzie, Vice Chair, ASME Presidential Task Force, and Executive Con-Westinghouse Electric Company, USA Reporting: Shigeo Nomura, President, Atomic Energy Society of Japan Xavier Pouget-Abadie, Safety International Delegate, Electricite de France Olena Mykolaichuk, Chair, State Nuclear Regulatory Inspectorate of Ukraine Michael Slobodien, Director, Emergency Programs, Entergy Nuclear, USA Kenneth Mossman, Professor, Arizona State University, USA The purpose of this session is to address key elements for public protection from accidistate-of-the-art technical basis for emergency planning zone size and emergency respondence on more realistic accident scenarios. The Linear-No-Threshold debate in radiation science vs. economic and social dimensions will also be reviewed. All of these key elements on a globally coordinated and integrated basis. In addition, the session should identify 	to deal with design basis idual and organizational
 Rapporteur: Regis Matzie, Vice Chair, ASME Presidential Task Force, and Executive Con-Westinghouse Electric Company, USA Reporting: Shigeo Nomura, President, Atomic Energy Society of Japan Xavier Pouget-Abadie, Safety International Delegate, Electricite de France Olena Mykolaichuk, Chair, State Nuclear Regulatory Inspectorate of Ukraine Michael Slobodien, Director, Emergency Programs, Entergy Nuclear, USA Kenneth Mossman, Professor, Arizona State University, USA The purpose of this session is to address key elements for public protection from accide state-of-the-art technical basis for emergency planning zone size and emergency respondence vs. economic and social dimensions will also be reviewed. All of these key elements on a globally coordinated and integrated basis. In addition, the session should identify 	Taft Room, 2nd Floor
state-of-the-art technical basis for emergency planning zone size and emergency responses based on more realistic accident scenarios. The Linear-No-Threshold debate in radiation science vs. economic and social dimensions will also be reviewed. All of these key elem on a globally coordinated and integrated basis. In addition, the session should identify	
	nse training and exercises on protection in terms of ments need to be addressed
– Open Discussion –	

A Star

Session 5: Public Trust

Chair: John (Jack) Tuohy, Executive Director-Nuclear, Hitachi Power Systems, USA Rapporteur: Duncan Robinson, Engineering Supervisor, Constellation Energy Nuclear Group, and North American Young Generation Network Past President, USA Reporting:

- Jackie Clark, President, Clark Communications, USA

The purpose of this session is to identify and discuss the factors that engender Public Trust and the actions that can be taken to achieve it, in particular the importance of effective communications between the technical community and the general public both for everyday occurrences and during accidents.

- Open Discussion -

COFFEE BREAK

BREAKOUT GROUPS 3-5 (cont'd)

BREAKOUT SESSIONS 3–5: Reporting and Summary

LUNCH

10:00-10:30am

10:30-11:00am

11:00-11:45am

12:00-1:00pm

1:00-2:00pm

2:00-3:00pm

5:00pm

KEYNOTE ADDRESSES: Regulatory Framework and Operational Safety

Chair: Dr. Peter Lyons, Assistant Secretary of Nuclear Energy, US Department of Energy, USA • Allison MacFarlane, Chair, US Nuclear Regulatory Commission, USA • Admiral James Ellis (Ret), Former President and CEO, Institute for Nuclear Power Operations, USA

PLENARY PANEL WORKING SESSION 2

The Globalization of the New Nuclear Safety Construct

Chair: Jack DeVine, Executive Consultant, USA Rapporteur: Roger J. Mattson, Nuclear Safety Consultant, USA Reporting:

- Luis Echavarri, Director General, OECD/Nuclear Energy Agency
- Shojiro Matsuura, Chair, Japan Nuclear Safety Institute (JANSI), Japan
- Francois Hedin, Vice President, Nuclear Engineering, Electricite de France

The purpose of this session is to address the challenge of achieving consistent application of the proposed New Nuclear Safety Construct, worldwide. Group discussions will address principles, priorities, prospective approaches, and initial steps.

- Open Discussion -

3:00-3:30pm	COFFEE BREAK
3:30-4:00pm	PLENARY PANEL WORKING SESSION 2 (cont'd)
	The Globalization of the New Nuclear Safety
4:00-4:45pm	CLOSING PLENARY: NEXT STEPS IN FORGING A N
	 Nils Diaz, Chair, ASME Presidential Task For Regis Matzie, Vice Chair, ASME Presidentia
4:45-5:00pm	CLOSING REMARKS: Marc Goldsmith, Presider

ADJOURN

Stone Room, 2nd Floor

• Masaki Morishita, Deputy Director General, Japan Atomic Energy Agency, Japan • Norman Harrison, Director of Strategic Development, Babcock International Group, UK • Eliot Brenner, Director, U.S. Nuclear Regulatory Commission Office of Public Affairs, USA

Pierce Room, Lower Level

Ballroom, Lower Level

Ballroom, Lower Level

• Thomas Koshy, Head of Nuclear Power Technology Development Section, International Atomic Energy Agency

Ballroom Fover Ballroom, Lower Level

ety Construct

A NEW NUCLEAR SAFETY CONSTRUCT

k Force, USA ntial Task Force, USA 2 22.60

dent, ASME, USA

Ballroom. Lower Level

About ASME

ASME helps the global engineering community develop solutions to real world challenges. Founded in 1880 as the American Society of Mechanical Engineers, ASME is an international not-for-profit professional organization that enables collaboration, knowledge sharing and skill development across all engineering disciplines, while promoting the vital role of the engineer in society. For over 130 years, ASME codes and standards, publications, conferences, continuing education and professional development programs have provided a foundation for advancing technical knowledge and a safer world. For more information visit: www.asme.org.