

Securing our Nuclear Future

NCSU/TISS Energy & Security Initiative
The McKimmon Conference and Training Center, Raleigh, NC [Room 05]

| Monday, September, 13, 2010 | |
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| 7:45 am to 8:15 am | Registration (Lobby) and Breakfast |
| 8:15 am to 8:25 am | Welcome and Introductions Man-Sung Yim , Nuclear Engineering, North Carolina State University William Boettcher , Political Science, North Carolina State University |
| Session I: The International Nuclear Landscape | |
| 8:25 am to 9:00 am | Briefs: Mary Alice Hayward , Director, North American Strategy, Areva, Perspectives of a Multinational Enterprise Charles Ebinger , Director, Energy Security Initiative, Senior Fellow, Foreign Policy, Brookings: Assessing the Threat in a Global Environment |
| 9:00 am to 10: 00 am | Discussion: <i>The continued vitality of the nuclear industry is tied to our ability to make sure that peaceful nuclear cooperation does not lead to an increase in nuclear weapons proliferation. What new challenges have emerged as a result of globalization? Are they different in kind or just degree from past challenges? Does the need to draw on an international staff and work in a variety of countries complicate the security task for international business? If so, how? How does the growth of international terrorism affect the equation?</i> Moderator: William Boettcher , Political Science, North Carolina State University |
| 10:00 am to 10:10 am | Break |
| Session II: International Solutions – Political | |
| 10:10 am to 10:40 am | Briefs: John F. Ahearne , Duke University and Sigma Xi, Former Chair of the Committee on the Internationalization of the Civilian Nuclear Fuel Cycle, Multilateral Agreements: Viable and Desirable? J. Christian Kessler , Senior Advisor, MK Technology, Non Proliferation Tools and Nuclear Trade |
| 10:40 am to 11:40 am | Discussion: <i>Among strategies to combat proliferation are some that specifically take advantage of the global environment. Chief among them are multilateral export regimes and multilateral agreements. Which of the MLAs have the most/least appeal to international business? To non-proliferation experts? Why? Do these different types of agreement involve different kinds of technological solutions? In what ways has the multilateral export regime been strained by the globalization of the economy and the increased interest of non-state actors in nuclear weapons? How will reforms affect commerce? What can business do to ensure compliance?</i> Moderator: Mark Nance , Political Science, North Carolina State University |

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| 11:40 am to 12:20 pm | Lunch |
| | Session III: Solutions - Technical |
| 12:20 pm to 12:50 pm | Briefs: Carter “Buzz” Savage , Deputy Assistant Secretary for Fuel Cycle Technologies, Department of Energy (DOE), Proliferation Resistance and Recycling Alan Hanson , Executive Vice President, Technologies and Used-Fuel Management, Areva, Commercial Perspectives |
| 12:50 pm to 1:50 pm | Discussion: <i>The development of proliferation-resistant technology may allow us to take advantage of global markets without adverse consequences. What technologies are currently under development? Which ones hold most promise for industries operating in an international environment? Why is there such a disagreement over the proliferation impact of recycling? Under what circumstances should we limit the spread of promising new nuclear technologies?</i> Moderator: Man Sung Yim , Nuclear Engineering, North Carolina State University |
| 1:50 pm to 2:00 pm | Break |
| 2:00 pm to 3:45 pm | Session IV: Developing a Research/ Education Agenda |
| | What are the specific engineering challenges that spring from the globalization of the nuclear industry? What can social scientists contribute to solving the challenges of the nuclear industry? What kinds of research collaborations would do most to help ensure that the nuclear industry meets both its security challenges and remains competitive in the new global market? Given that there is no consensus as to the dangers of peaceful nuclear cooperation, and given the complexity of the technologies involved, how do we provide the public with enough tools to make informed choices? |
| 3:45 pm to 4:00 pm | Closing Remarks: Man Sung Yim and William Boettcher , North Carolina State University |

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