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59th Course

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Emerging Technologies, Evolving Nuclear Postures, and Deteriorating Norms: is the Global Nuclear Order Eroding?

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The global nuclear order is undergoing major transformations. Policy makers around the world are facing complex decisions and – more importantly – costly trade-offs if strategic stability is to exist and

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be sustainable among nuclear-armed states. A combination of dramatic and wide ranging technological change, vigorous nuclear modernization, and the substantial waning of arms control is producing a more challenging and worrisome nuclear order. What nuclear order will arise as emerging technologies are folded into comprehensive modernization programs in an environment largely or wholly unregulated by arms

control? What constitutes stable nuclear deterrence under such circumstances? What emerging technologies are most destabilizing for nuclear strategic stability? Which ones might lead to escalation across the nuclear threshold? The 59th ISODARCO course will explore the technological, military, and arms control developments that are changing and challenging the global nuclear order.

Principal Lecturers

Valerio Cendali Pignatelli, Italian Ministry of Foreign Affairs, DGAP, Roma, Italy

Ariel Conn, Former Director of Communication and Outreach, Future of Life Institute, USA

Paolo Cotta Ramusino, Secretary General, Pugwash Conferences

Rebecca Davis Gibbons, University of Southern Maine, Portland, ME, USA

Sérgio Duarte, President of Pugwash, Former UN High Representative for Disarm. Affairs

Joan S. Johnson-Freese, National Security Affairs, Naval War College, Newport, RI, USA

Stephan Klement, Head of the EU Delegation to the UN/IAEA in Vienna

Alexander Kmentt, Austrian diplomat, Research Fellow at King's College (sab), London UK

Oliver Meier, Institute for Peace Research and Security Policy, University Hamburg (IFSH)

Steven Miller, Belfer Center, HKS, Harvard University, Cambridge, MA, USA

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Tariq Rauf, Former Head of the Security Policy Coordination Office, IAEA, Vienna (Canada)

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Philip Reiner, CEO, Technology for Global Security, Palo Alto, CA, USA

Carl Robichaud, Carnegie Corporation of New York, NY, USA

Frank Sauer, Bundeswehr University, Munich, Germany

Scott Smitson, Strategist, US Southern Command, Miami, FL, USA

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Wu Riqiang, School of International Studies, Renmin University of China, Beijing, China