

# IGCC PUBLIC POLICY & NUCLEAR THREATS

## 2012 SUMMER TRAINING WORKSHOP

August 5 – 25, 2012 UC San Diego Campus

All sessions held in at Deutz Room, Institute of the Americas unless otherwise noted.

All meals for students will be held at Café Ventanas at the following times unless otherwise noted:

Breakfast 7:30 – 8:30 am; Lunch 12:00 – 1:00 pm; Dinner 6:00 – 7:00 pm

A light continental breakfast will also be available every day in the meeting room.

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<b>Sunday, August 5</b>	<b>Welcome</b>
All day	Check-in & logistics
6:00 pm	Welcome Dinner at <i>Village at Torrey Pines – 15<sup>th</sup> Floor</i> <ul style="list-style-type: none"><li>- <b>Thomas Countryman</b>, Assistant Secretary for Nonproliferation at U.S. Department of State</li></ul>
<b>Monday, August 6</b>	<b>Week 1: Nuclear Foundations: Nuclear Bombs, Nuclear Energy &amp; the Study of Politics</b>
7:30 am	Breakfast at <i>Café Ventanas</i>
9:00 am	Informal Quiz and Discussion <ul style="list-style-type: none"><li>- <b>Robert Brown</b>, IGCC</li><li>- <b>Ambassador Linton Brooks</b></li><li>- <b>Matt Gardner</b>, AWE (U.K.)</li></ul>
Noon	Lunch at <i>Café Ventanas</i>
1:00 pm	Introduction; Political Science vs. Policy <ul style="list-style-type: none"><li>- <b>Ambassador Linton Brooks</b></li><li>- <b>Robert Brown</b>, IGCC</li></ul>
3:15 pm	Nuclear Devices and Effects <ul style="list-style-type: none"><li>- <b>Matt Gardner</b>, AWE (U.K.)</li></ul>
6:00 pm	Dinner at <i>Café Ventanas</i>
<b>Tuesday, August 7</b>	
7:30 am	Breakfast at <i>Café Ventanas</i>
8:45 am	Discussion
9:30 am	Nuclear Reactors: Design & Safety <ul style="list-style-type: none"><li>- <b>Lance Kim</b>, RAND</li></ul>
Noon	Lunch at <i>Café Ventanas</i>
1:00pm	Nuclear Fuel Cycle <ul style="list-style-type: none"><li>- <b>Lance Kim</b>, RAND</li></ul>
3:15 pm	Nuclear Weapons Arsenals <ul style="list-style-type: none"><li>- <b>Ambassador Linton Brooks</b></li><li>- <b>Matt Gardner</b>, AWE (U.K.)</li><li>- <b>Erik Gartzke</b>, University of California, San Diego</li></ul>
6:00 pm	Dinner at <i>Café Ventanas</i>
<b>Wednesday, August 8</b>	
7:30 am	Breakfast at <i>Café Ventanas</i>
8:45 am	Discussion
9:30 am	The Legacy of the Cold War: Deterrence, Strategy and Forces <ul style="list-style-type: none"><li>- <b>Ambassador Linton Brooks</b></li></ul>

Noon	Lunch at <i>Café Ventanas</i>
1:00 pm	Nuclear Safety <ul style="list-style-type: none"> <li>- <b>Matt Gardner</b>, AWE (U.K.)</li> <li>- <b>A.J. Shaka</b>, University of California, Irvine</li> <li>- <b>Edward Blandford</b>, Center for International Security and Cooperation (CISAC)</li> <li>- <b>Michael May</b>, Center for International Security and Cooperation (CISAC)</li> </ul>
6:00 pm	Dinner at <i>Café Ventanas</i>
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<b>Thursday, August 9</b>	
7:30 am	Breakfast at <i>Café Ventanas</i>
8:30 am	Depart for University of California, Irvine
10:00 am	UCI Reactor Tour
4:00 pm	Depart UCI
5:30 pm	Dinner at Leucadia Pizzeria in Encinitas
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<b>Friday, August 10</b>	
7:30 am	Breakfast at <i>Café Ventanas</i>
8:45 am	Discussion
9:30 am	Post-Cold War Deterrence and the 2010 Nuclear Posture Review <ul style="list-style-type: none"> <li>- <b>Ambassador Linton Brooks</b></li> <li>- <b>Amy Woolf</b>, Congressional Research Service</li> </ul>
Noon	Lunch at <i>Café Ventanas</i>
1:00 pm	Alternate Approaches to Future US Nuclear Strategy <ul style="list-style-type: none"> <li>- <b>Hans Kristensen</b>, Federation of American Scientists</li> <li>- <b>Daryl Press</b>, Dartmouth</li> <li>- <b>Anne Harrington</b>, Monterey Institute of International Studies</li> </ul>
3:45 pm	Reception: US Nuclear Strategy <ul style="list-style-type: none"> <li>- <b>Brad Roberts</b>, Office of the Secretary of Defense</li> </ul>
6:00 pm	Dinner at <i>Café Ventanas</i>
6:00 pm	Small Group Dinner: Nuclear Posture Review
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<b>Monday, August 13</b>	
<b><i>Week 2: Nuclear Weapons States, Monitoring, and the Nonproliferation Regime</i></b>	
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7:30 am	Breakfast at <i>Café Ventanas</i>
8:45 am	Discussion
9:30 am	Monitoring <ul style="list-style-type: none"> <li>- <b>Jeff Kaplow</b>, University of California, San Diego</li> <li>- <b>Rick Wallace</b>, Los Alamos National Laboratory</li> </ul>
Noon	Lunch in classroom
	Radiation Detection Practical <ul style="list-style-type: none"> <li>- <b>Mark Schanfein</b>, Idaho National Lab</li> </ul>
1:00 pm	Safeguarding the Fuel Cycle <ul style="list-style-type: none"> <li>- <b>Brian Boyer</b>, Los Alamos National Laboratory</li> <li>- <b>Rick Wallace</b>, Private Consultant</li> <li>- <b>Shirley Johnson</b>, Tucker Creek Consulting</li> </ul>
3:15 pm	Inspection Technologies & Practice <ul style="list-style-type: none"> <li>- <b>Olli Heinonen</b>, Belfer Center, Harvard</li> </ul>

	- <b>Mark Schanfein</b> , Idaho National Laboratory
	- <b>Robert Kelley</b> , Consultant
6:00 pm	Dinner at <i>Café Ventanas</i>
6:00 pm	Small Group Dinner: Safeguards

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**Tuesday, August 14**

7:30 am	Breakfast at <i>Café Ventanas</i>
8:45 am	Discussion
9:30 am	Safeguarding Power Reactors
	- <b>Vladimir Mozin</b> , Lawrence Livermore National Laboratory
	- <b>Mark Schanfein</b> , Idaho National Laboratory
Noon	Lunch at <i>Café Ventanas</i>
1:00 pm	USSR/Russia Nuclear Strategy and Policy
	- <b>Ambassador Linton Brooks</b>
	- <b>Simon Saradzhyan</b> , Belfer Center, Harvard
3:15 pm	Student Presentation: Liviu Horovitz – “Why are Central European governments interested in US non-strategic nuclear weapons not being withdrawn”
6:00 pm	Dinner at <i>Café Ventanas</i>

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**Wednesday, August 15**

7:30 am	Breakfast at <i>Café Ventanas</i>
8:45 am	Discussion
9:30 am	International Nonproliferation Regime
	- <b>Robert Brown</b> , IGCC
Noon	Lunch at <i>Café Ventanas</i>
1:00 pm	International Nonproliferation Regime
	- <b>Laura Rockwood</b> , International Atomic Energy Agency
	- <b>Yvonne Yew</b> , Belfer Center, Harvard
3:15 pm	International Safeguards
	- <b>Brian Boyer</b> , Los Alamos National Laboratory
	- <b>Olli Heinonen</b> , Belfer Center, Harvard
	- <b>Laura Rockwood</b> , International Atomic Energy Agency
	- <b>Robert Kelley</b> , Consultant
6:00 pm	Dinner at <i>Café Ventanas</i>
6:00 pm	Small Group Dinner: Nonproliferation Regime

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**Thursday, August 16**

7:30 am	Breakfast at <i>Café Ventanas</i>
8:45 am	Discussion
9:30 am	Nuclear Forensics and Attribution
	- <b>Ross Williams</b> , Lawrence Livermore National Laboratory
	- <b>Kim Knight</b> , Lawrence Livermore National Laboratory
Noon	Lunch at <i>Café Ventanas</i>
1:00 pm	Domestic Nuclear Security
	- <b>John Lewis</b> , Lawrence Livermore National Laboratory
	- <b>James Blankenship</b> , U.S. Federal Bureau of Investigation
	- <b>Ashley Volkmar</b> , Department of Homeland Security
3:30 pm	Student Presentation: Naomi Marks - Nuclear Forensics

6:00 pm Dinner at *Café Ventanas*

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**Friday, August 17**

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7:30 am Breakfast at *Café Ventanas*

8:45 am Discussion

9:30 am International Nuclear Security

- **James Doyle**, Los Alamos National Laboratory
- **Duyeon Kim**, Center for Arms Control and Non-Proliferation
- **Miles Pomper**, James Martin Center for Nonproliferation Studies (CNS)

Noon Lunch at *Café Ventanas*

1:15 pm Student Presentation: Adam Mount – “Making U.S. Disarmament Commitments Credible”

Student Presentation: Todd Robinson – “Nuclear Neighbors and Nuclear Neighborhoods”

6:00 pm Dinner at *Café Ventanas*

6:00 pm Small Group Dinner: Nuclear Security

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**Monday, August 20**

***Week 3: New Nuclear Actors and Counterproliferation***

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7:30 am Breakfast at *Café Ventanas*

8:45 am Discussion

9:30 am Proliferation: Causes

- **Neil Narang**, UC Santa Barbara
- **Alex Montgomery**, Reed University

Noon Lunch at *Café Ventanas*

1:00 pm Proliferation: Strategic Effects

- **Erik Gartzke**, UC San Diego
- **Kyle Beardsley**, Emory University
- **Matt Fuhrmann**, Texas A&M

3:45 pm Reception: North Korea

- **Siegfried Hecker**, Stanford

6:00 pm Dinner at *Café Ventanas*

6:00 pm Small Group Dinner: U.S. Nonproliferation Policy

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**Tuesday, August 21**

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7:30 am Breakfast at *Café Ventanas*

8:45 am Discussion

9:30 am NSA Proliferation

- **Mike Carter**, Lawrence Livermore National Laboratory

Noon Lunch at *Café Ventanas*

1:00 pm Domestic Nuclear Detection Issues

- **Huban Gowadia**, Domestic Nuclear Detection Office, U.S.

3:45 pm Reception: Nuclear Terrorism

- **Isaac Maya**, National Center for Risk and Economic Analysis of Terrorism Events (CREATE), University of Southern California

6:00 pm Dinner at *Café Ventanas*

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**Wednesday, August 22**

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7:30 am Breakfast at *Café Ventanas*

8:45 am Discussion

9:30 am Iran

	<ul style="list-style-type: none"> <li>- <b>Mansour Salsibili</b>, Belfer Center, Harvard</li> <li>- <b>Martin Malin</b>, Belfer Center, Harvard</li> <li>- <b>James Larrimore</b>, Former IAEA</li> <li>- <b>Michael Adler</b>, Wilson Center (TBC)</li> </ul>
Noon	Lunch at <i>Café Ventanas</i>
1:00 pm	Middle East Dynamics <ul style="list-style-type: none"> <li>- <b>Mansour Salsibili</b>, Belfer Center, Harvard</li> <li>- <b>Martin Malin</b>, Belfer Center, Harvard</li> <li>- <b>Larry Rubin</b>, Georgia Tech</li> </ul>
6:00 pm	Dinner at <i>Café Ventanas</i>
6:00 pm	Small Group Dinner: Iran

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### Thursday, August 23

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7:30 am	Breakfast at <i>Café Ventanas</i>
8:45 am	Discussion
9:30 am	China <ul style="list-style-type: none"> <li>- <b>Michael Chase</b>, Naval War College</li> <li>- <b>Susan Shirk</b>, IGCC</li> <li>- <b>Jeffrey Lewis</b>, James Martin Center for Nonproliferation Studies (CNS)</li> </ul>
Noon	Lunch at <i>Café Ventanas</i>
1:00 pm	Asian Security <ul style="list-style-type: none"> <li>- <b>Susan Shirk</b>, IGCC</li> <li>- <b>Steph Haggard</b>, University of California, San Diego</li> <li>- <b>Jeffrey Lewis</b>, James Martin Center for Nonproliferation Studies (CNS)</li> </ul>
3:15 pm	Student Presentation: Jens Heinrich – “Whether and how Gradualistic Arms Control can play a role as an alternative security policy in South Asia” Student Presentation: Salma Shaheen – “Tactical Nuclear Weapons in South Asia”
6:00 pm	Dinner at <i>Café Ventanas</i>

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### Friday, August 24

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7:30 am	Breakfast at <i>Café Ventanas</i>
8:45	Discussion
9:30 am	Nuclear Policy Simulation <ul style="list-style-type: none"> <li>- <b>Ambassador Linton Brooks</b></li> </ul>
Noon	Lunch at <i>Café Ventanas</i>
5:00 pm	Closing Reception at <i>Village at Torrey Pines – 15<sup>th</sup> Floor</i>