



## **IGCC 2012 Summer Training Workshop on the Relationship between National Security and Technology in China**

**La Jolla, California  
July 8-14, 2012**

This course examines the relationship between national security, technology, innovation, and China's rise as a world power. Of central interest is how China is mobilizing and applying its economic, political, strategic, corporate, financial, intellectual, and scientific capabilities in conjunction with leveraging external resources to achieve its grand ambition of catching up technologically with the world's advanced powers.

### **AGENDA**

**All meetings will be held in Multipurpose Room 2 at the Rady School of Management unless otherwise specified.**

#### **Sunday, July 8**

6:00-8:30 pm

We invite you to a welcome reception and dinner at the Village at Torrey Pines, 15<sup>th</sup> floor room A.

#### **Monday, July 9**

##### **Day One: State of the Field, Sources, Methodological Approaches; Military Innovation, and Leadership and Organizational Structures**

8:00-8:15 am

Welcome & Overview of Course Program, Goals & Objectives  
*Tai Ming Cheung*

8:15-9:15 am

Examining the State of the Field in Chinese Security and Technology Studies: Sources, Debates and Insights  
*Tai Ming Cheung*

9:15-10:15 am

The Availability and Use of Chinese Language Databases  
*Hanlu Lu*

10:30 am-12:00 pm

Understanding Military Innovation: Chinese Defense S&T in Historical and Theoretical Perspective  
*Tom Mahnken*

12:00-1:00 pm	Lunch
1:00–3:00 pm	The Structure and Organization of Power in the Chinese Political System <i>Alice Miller</i>
3:00 – 3:15 pm	Break
3:15-4:15 pm	Breakout Group Discussion: Defense Research, Development and Acquisition, Space, Defense Innovation, Cyber

**Tuesday, July 10**

**Day Two: Evolution of the Chinese Defense Economy, Domestic Political Perspectives, and Cyber Issues**

8:00-8:30 am	Review and Discussion
8:30-10:00 am	S&T in Chinese Thinking on Security and Development: Techno-Nationalism and S&T Innovation as Seen Through the 2006-2020 Medium & Long-Term S&T Plan <i>Tai Ming Cheung</i>
10:15–11:45 am	The Development of the Defense Economy From Mao Zedong to the Present Day <i>Tai Ming Cheung</i>
11:45 am-1:00 pm	Lunch
1:00–2:30 pm	The Role of the Communist Party and State Council in Guiding Science and Technology Development in China <i>Alice Miller</i>
2:30 – 2:45 pm	Break
2:45–4:15 pm	Chinese Approaches to Cybersecurity and Information Warfare <i>Jon Lindsay</i>
4:30 pm	<i>Jeopardy!</i> at Porter’s Pub

**Wednesday, July 11**

**Day Three: Nature and Activities of Research & Development in the Chinese S&T System**

8:00-8:30 am	Review and Discussion
8:30-10:30 am	The Evolution and Present Nature of the Chinese Economy

*Barry Naughton*

- 10:30 – 10:45 am      Tea Break
- 10:45 am-1:00 pm      The Chinese Defense Research, Development, and Acquisition System  
*Tai Ming Cheung and Maggie Marcum*
- 1:00-2:15 pm          Lunch and break
- 2:15-4:00 pm          How China’s Aviation Sector Organizes and Undertakes Research, Development, and Production: The Roles and Relationships among Scientists, Engineers, and Producers  
*Andrew Erickson*

**Thursday, July 12**

**Day Four: External Dimensions, Doctrinal Drivers, and Space**

- 8:00-8:30 am          Review and Discussion
- 8:30-10:00 am        Chinese approaches to the RMA  
*Richard Bitzinger*
- 10:00-10:15 am        Tea Break
- 10:15-11:45 am        Comparing Asian and Global Defense Industry Trends and the Chinese Defense Industry  
*Richard Bitzinger*
- 11:45-1:00 pm        Lunch
- 1:00-2:30 pm          China’s Search for External Sources of Defense Technology and Know-How: The Rise of Chinese-Russian Defense Technological and Industrial Cooperation  
*Tai Ming Cheung*
- 2:30 – 2:45 pm        Tea Break
- 2:45-4:15 pm          Chinese Space and Counter Space Capabilities  
*Michael Chase and Andrew Erickson*

We must vacate the meeting room by 4:30 sharp today.

**Friday, July 13**

**Day Five: Case Studies and Assessing the Chinese Defense Economy's Transition from Imitation to Innovation**

- 8:00-8:30 am            Review and Discussion
- 8:30-10:00 am        Comparing Chinese and Western Aero-Engine Technological Capabilities: How Far is the Gap and What Are the Prospects for China to Catch Up?  
*Maj. Douglas Creviston*
- 10:00-10:15 am        Tea Break
- 10:15-11:45 am        Chinese Ways of Research and Innovation  
*Pete Suttmeier*
- 11:45-1:00 pm         Lunch
- 1:00-3:00 pm          The Chinese Defense Economy's Long March from Imitation to Innovation  
*Tai Ming Cheung*
- 3:00-4:00 pm         Course Review

We must vacate the meeting room by 5:00 pm sharp today.

**Saturday, July 14**

**Day Six: Breakout Group Presentations**

- 9:00-12:00 pm        Breakout Group Presentations (30 min. for each group)