

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

## **Course Outline**

**La Jolla, California, June 21-26, 2010**

*All workshop sessions held in Social Sciences Building (SSB) – Room 104 unless otherwise noted.*

*All meals will be at Café Ventanas unless otherwise noted.*

### **Opening Reception (Sunday 20 June):**

6.00 PM–8.00 PM: Reception and Dinner at *Eucalyptus Point*

### **Day One (Monday 21 June): State of the Field, Sources, Methodological Approaches; the Historical Relationship between Security and Technology in China; and Chinese Grand Strategic Thinking on Security, Technology and Innovation**

7.00 AM–8.00 AM: Breakfast

8.00 AM–8.15 AM: Welcome & Overview of Course Program, Goals & Objectives (Cheung, Shirk)

8.15 AM – 9.15AM: Examining the State of the Field in Chinese Security and Technology Studies: Sources, Debates and Insights (Cheung)

9.15AM -10.15AM: The Availability and Use of Chinese Language Databases: Eastview and CNKI (Byrne, Buhrsmith: Eastview)

10.30 AM – 12.00 PM: The Place of S&T in Chinese Thinking on Security and Development: Techno-Nationalism and Chinese Approaches to S&T Innovation (Cheung)

12.00 PM–1.00 PM: Lunch

1.00 PM – 2.15 PM: The Place of S&T in Chinese Thinking on Security and Development and the Chinese Approach to S&T Innovation and the Importance of the 2006-2020 Medium and Long-Term S&T Development Plan (Cheung)

2.30 PM -4.00 PM: Methodological Perspectives I: Identifying How Scientific Breakthroughs Occur (Hollingsworth)

4.15 PM – 5.45 PM: Methodological Perspectives II: Relational Network Analysis (Meyer)

6.00 PM–7.00 PM: Dinner (Please note that Café Ventanas closes at 7.00)

**Day Two (Tuesday 22 June): The Evolution of the Chinese Defense Economy From the 1950s to the Present and Future Trends**

7.00 AM–8.00 AM: Breakfast

8.00 AM - 8.30 AM: Review and Discussion

8.45 AM-10.15 AM: The Development of the Defense Economy From Mao Zedong to Deng Xiaoping (Cheung)

10.30 AM – 12.30 PM: The Remaking of the Defense Economy From the Late 1990s to the Present Day (Cheung)

12.30 PM–1.30 PM: Lunch

1.45 PM – 3.15 PM: The Chinese Embrace of Civil-Military Integration (Cheung)

3.30 PM – 5:00 PM: Critical Issues in Chinese Politics and Implications for the Relationship Between Security and Technology (Shirk)

6.00 PM–7.00 PM: Dinner

**Day Three (Wednesday 23 June): The Nature and Activities of the Chinese S&T System**

7.00 AM–8.00 AM: Breakfast

7.30 AM - 8.45 AM: Breakfast Meeting with DOD DASD for Strategy Amanda Dory

8.45 AM – 10.45 AM: The Leadership and Organizational Structures of the Chinese Civilian, Defense S&T and PLA Systems (Miller)

11.00 AM – 12.00 PM: The Chinese Civilian and Defense S&T Research and Development Systems and the 863 and other Major Chinese S&T Development Programs (Cheung)

12.00 PM–12.45 PM: Lunch

12.45 PM -2.15 PM: The Role and Importance of the Chinese Academy of Sciences and its Knowledge Innovation Program (Suttmeier)

2.30 PM - 4.00 PM: China's Place in the International Technology Order: Establishing its Own Standards Regime (Suttmeier)

4.15 PM – 5.30 PM: Chinese Approaches to Information Warfare: Asymmetric Capabilities and C4ISR (Pollpeter)

6.00 PM–7.00 PM: Dinner

7.00 PM – 8.30 PM: The Rise and Decline of Systems of Scientific Creativity (Hollingsworth) *at Dugout under Peet's*

**Day Four (Thursday 24 June): External Dimensions and Doctrinal Drivers**

7.00 AM–8.00 AM: Breakfast

8 AM - 8.30 AM: Review and Discussion

8.45 AM -10.15 AM: China's Search for External Sources of Defense Technology and Know-How: The Rise of Chinese-Russian Defense Technological and Industrial Cooperation (Cheung)

10.30 AM – 12.00 PM: The Security and Technology Relationship Between Europe and China (Stumbaum)

12.00 PM–1.00 PM: Lunch

1.00 PM – 2.30 PM: Comparing Asian Defense Industry Trends and the Chinese Defense Industry (Bitzinger)

2.45 PM – 4.15 PM: Evolving PLA Doctrine, Strategy and Operational Concepts and the Influence on Defense S&T Transformation: Fighting High-Technology Wars in the Information Age (Bitzinger)

4.30 PM – 6.00 PM: Innovative China: Can China Be a Technology Leader? *at Price Center Forum*

6.00 PM–7.00 PM: Dinner

**Day Five (Friday 25 June): The Political Economy of Chinese Security and Technology**

7.00 AM–8.00 AM: Breakfast

8 AM - 8.30 AM: Review and Discussion

8.45 AM – 12.00 PM: Trends in the Evolution of the Chinese Economy and Implications for the Security and Technology Sectors (Naughton)

12.00 PM–1.15 PM: Lunch

1.15 PM – 2.45 PM: The Transformation of China's Defense Conglomerates (Cheung)

3.00 PM – 4.30 PM: The Defense Industry and Its Evolving Relations with the Capital Markets (Cheung)

6.00 PM–7.00 PM: Dinner

**Day Six (Saturday 26 June): Assessing the Chinese Defense Economy's Transition from Imitation to Innovation and Course Review**

7.00 AM–8.00 AM: Breakfast

8 AM - 8.30 AM: Review and Discussion

8.45 AM – 10.15 AM: The Chinese Defense Economy's Long March From Imitation to Innovation (Cheung)

10.30 AM – 12.00 PM: Course Review –Panel Discussion

12.00 PM–1.15 PM: Lunch

6.00 PM–7.00 PM: Dinner

**Free Day (Sunday 27 June):**

7.00 AM–8.00 AM: Breakfast

12.00 PM–1.15 PM: Lunch

6.00 PM–7.00 PM: Dinner