

# CHINA'S NAVAL SHIPBUILDING: PROGRESS AND CHALLENGES

SPONSORED BY U.S. NAVAL WAR COLLEGE CHINA MARITIME STUDIES INSTITUTE

MAY 19–20, 2015  
NEWPORT, RI

## PROGRAM OF EVENTS

(as of 12 May)

### **MONDAY, MAY 18**

6:00 p.m. **No-host Social – Hotel Viking Lobby** (*Dinner Attire: Casual*)

### **TUESDAY, MAY 19** (*Conference Attire: Civilian – Business Casual, Military – Khakis or equivalent*)

7:45 a.m. **Buses depart Hotel Viking for McCarty-Little Hall (MLH)**

8:00 **Registration and Coffee – MLH Café**

8:20 **Administrative Remarks – MLH Auditorium**

Lieutenant Commander Michael Cheng, U.S. Navy, China Maritime Studies Institute, U.S. Naval War College

8:30 **Welcoming Remarks**

Rear Admiral P. Gardner Howe III, U.S. Navy, President, U.S. Naval War College

8:50 **Introduction**

Dr. Andrew S. Erickson, China Maritime Studies Institute, U.S. Naval War College

9:00 **Panel 1: Foundation and Resources**

Moderator: Ms. Kristine Schenck, OPNAV N00Z

- ♦ Paper 1: “Warfare Drivers: Focus and Implications”  
Captain Christopher Carlson, U.S. Navy Reserve, (Ret.), Independent Researcher  
Mr. Jack Bianchi, Defense Group Inc.

- ♦ Paper 2: “Trajectory to Date”  
Mr. Morgan Clemens, Defense Group Inc.  
Mr. Ian Easton, Project 2049 Institute

- ♦ Paper 3: “Resources for China’s State Shipbuilders”  
Mr. Gabriel Collins, China SignPost

- ♦ Paper 4: “Organizations and Personnel Influencing Ship Construction, Testing, and Maintenance”  
Mr. Jay Rodgers, Office of Naval Intelligence

Discussant: Dr. Alessio Patalano, King’s College London

11:00 **Group Photo followed by Break**

11:20 **Panel 2: Shipyard Infrastructure**

Moderator: Captain Brian Osgood, U.S. Navy, N4, Commander, Submarine Forces Pacific

- ♦ Paper 1: “Chinese Shipyards: Key Factors in their Development and Performance, and Synergies between Merchant and Naval Shipbuilding”  
Ms. Sue Hall, Shipyard Economics Limited  
Ms. Audrye Wong, Princeton University

- ♦ Paper 2: “China’s Military Shipyards”  
Mr. Alexander Pape, IHS Jane’s  
Mr. Tate Nurkin, IHS Jane’s
- ♦ Paper 3: “Production Capabilities and Potential Bottlenecks at Key Military Shipyards”  
Mr. Jordan Wilson, U.S.-China Economic and Security Review Commission
- ♦ Paper 4: “Civil-Military Integration, Process Management, and Potential Improvements”  
Mr. Daniel Alderman, Defense Group Inc.  
Mr. Rush Doshi, Harvard University

Discussants:

Mr. Bryan McGrath, The FerryBridge Group

Mr. Joshua Hickey, Office of Naval Intelligence

1:00 p.m. **Lunch**

2:00 **Panel 3: Naval Architecture and Design**

Moderator: Dr. Woei-Min Lin, Office of Naval Research

- ♦ Paper 1: “Chinese Naval Architecture Requirements and Trajectory”  
Dr. Alan Brown, Virginia Tech  
Dr. Christopher Bassler, Office of Naval Research  
Mr. William Yale, Johns Hopkins SAIS
- ♦ Paper 2: “People’s Liberation Army Navy Warship Construction and Standardization”  
Professor Mark Metcalf, University of Virginia
- ♦ Paper 3: “China’s Military Shipbuilding Research, Development, and Acquisition Cycle”  
Mr. Kevin Pollpeter, University of California - San Diego  
Mr. Mark Stokes, Project 2049 Institute
- ♦ Paper 4: “China’s Civilian Shipbuilding in Competitive Context: An Asian Industrial Perspective”  
Mr. Julian Snelder, Independent Researcher

Discussant: Mr. Eric Pedersen, Office of Naval Intelligence

4:00 **Panel concludes. Administrative remarks.**

4:15 **Buses depart for Hotel Viking**

6:30 **Cocktail Reception – Hotel Viking** (*Dinner Attire: Civilian – Coat and tie, Military – Summer Whites or equivalent*)

7:30 **Evening Keynote Speech**

Dr. Patrick M. Cronin, Center for a New American Security

**WEDNESDAY, MAY 20** (*Conference Attire: Civilian – Business Casual, Military – Khakis or equivalent*)

7:45 a.m. **Buses depart Hotel Viking for McCarty-Little Hall (MLH)**

8:00 **Coffee – MLH Café**

8:25 **Introductory Remarks – MLH Auditorium**

8:30 **Panel 4: Remaining Shipbuilding Challenges**

Moderator: Dr. Philip Koenig, NAVSEA

- ♦ Paper 1: “Shipboard Electronics”  
Ms. LeighAnn Ragland-Luce, Defense Group Inc.  
Mr. John Costello, Defense Group Inc.
- ♦ Paper 2: “Chinese Conventional and Nuclear Naval Power and Propulsion”  
Dr. Andrew S. Erickson, U.S. Naval War College  
Mr. Jonathan Ray, Defense Group Inc.  
Mr. Robert T. Forte, Defense Group Inc.

- ♦ Paper 3: “Aircraft Carrier Development”  
Rear Admiral Michael McMahon, U.S. Navy (Ret.)  
Dr. Andrew Scobell, RAND Corporation

Discussant: Commander Weston L. Gray, U.S. Navy, Massachusetts Institute of Technology

10:00 **Conference Keynote Address**

“How China Formulates its Long-Term Weapons and Naval Development Strategies, Policies, and Plans,”  
Dr. Tai Ming Cheung, University of California - San Diego

10:45 **Break**

11:00 **Panel 5: Conclusions and Alternative Futures**

Moderator: Captain Dale Rielage, U.S. Navy, U.S. Pacific Fleet

- ♦ Paper 1: “Top-End Scenario: Expansive Naval Trajectory”  
Mr. James Fanell, Independent Researcher  
Mr. Scott Cheney-Peters, Center for International Maritime Security
- ♦ Paper 2: “Middle Scenario: Mixed Progress”  
Mr. Bryan Clark, Center for Strategic and Budgetary Assessments
- ♦ Paper 3: “Technological Wild Cards”  
Mr. Tyler Jost, Harvard University
- ♦ Paper 4: “How Chinese Shipbuilding Output Might Affect Requirements for U.S. Navy Capabilities”  
Mr. Ronald O’Rourke, Congressional Research Service

Discussant: Rear Admiral Michael A. McDevitt, U.S. Navy (Ret.), Center for Naval Analyses

1:00 p.m. **Concluding Remarks**

Professor Peter Dutton, Director, China Maritime Studies Institute, U.S. Naval War College

1:15 **Lunch for remaining attendees**

1:30 **Buses depart for Viking Hotel, airports, and train station**