

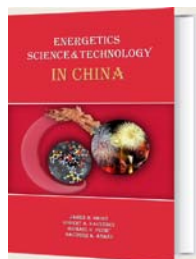


Center for Energetic Concepts Development

CECD/City U Hong Kong

***ENERGETICS
WORKSHOP***

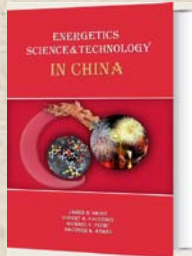
7-9 December 2010





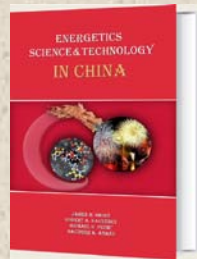
CECD

CENTER FOR ENERGETIC CONCEPTS DEVELOPMENT

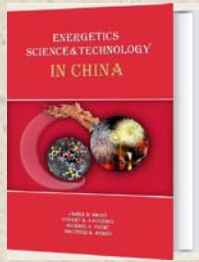


**WELCOME AND
THANK YOU FOR
PARTICIPATING IN
THIS WORKSHOP**

PURPOSE OF THIS MEETING



To make friends
Establish academic
& research relationships



UNIVERSITY OF MARYLAND VISION

Enhance its standing as a world class
University... Unwavering commitment
to excellence... Foster
research... expand international
influence... address great and
challenging problems... advancement
of science and technology...

UMD STATS

Ranked in top 20 of Public Universities in USA

25,857 Undergraduate Students

10,157 Graduate Students

3,025 International Students

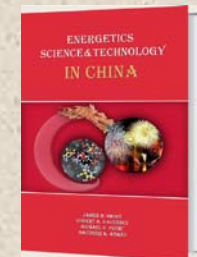
2,896 Full time Faculty

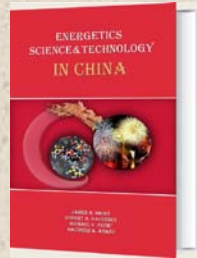
\$1,419M Total Budget

\$267M Contracts and Grants

\$22K Tuition-Out of State

\$8K In State



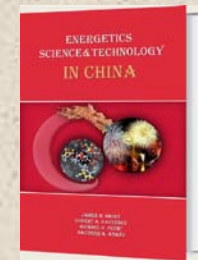


CECD VISION

Establish a World Class
21st Century
Manufacturing Science &
Technology Capability
in Energetics

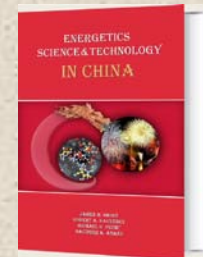
CECD ACTIVITIES

- R&D in Energetic Materials, Nanotechnology, Virtual Environments, Sensors, Explosive Testing, Prognostics, and New Ideas
- Graduate Education and Workforce Development
- Policy and Strategic Planning
- Personnel Exchange



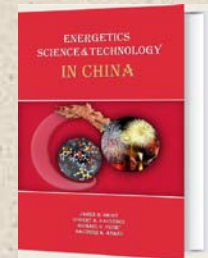
CECD PROJECTS

- Ship Autonomy
- Materials
- Virtual Reality for Training
- Control Systems
- Energetic Informatics
- Sensors
- Systems Engineering
- System Simulation

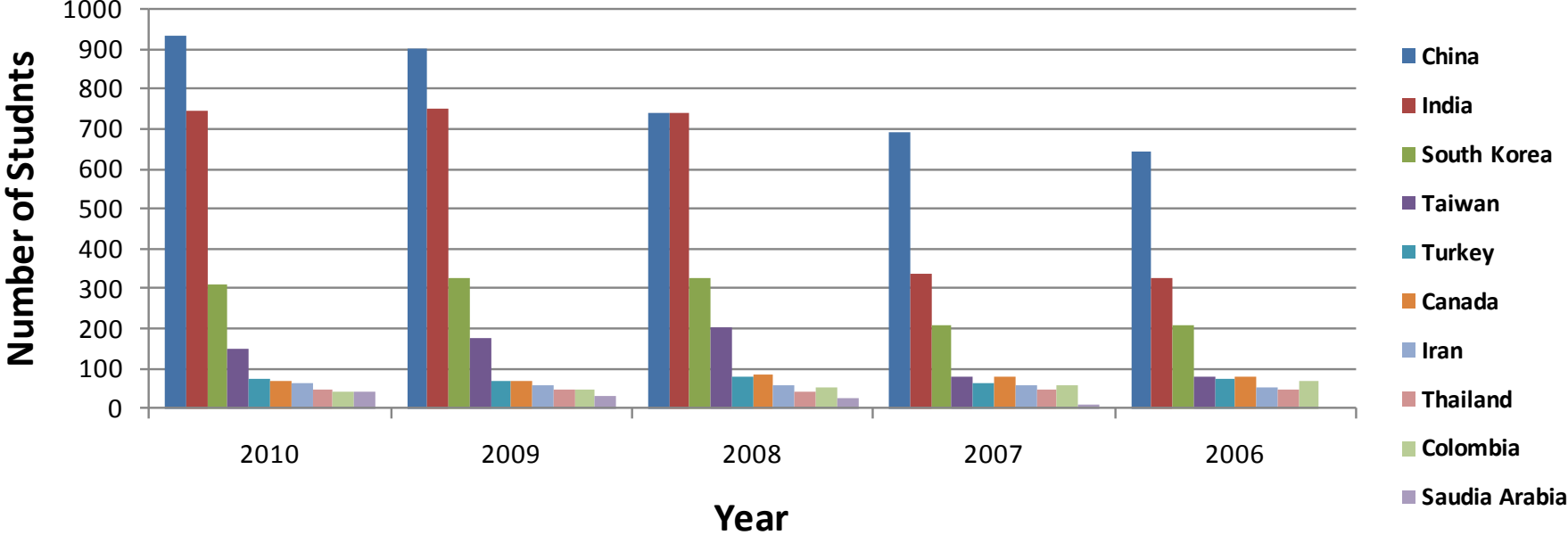


UMD INTERNATIONAL STUDENT POPULATION

- Students from 134 Countries
- 3,500 Total International Students
- 2,500 Graduate Students
- In Engineering 2,500 Graduate Students



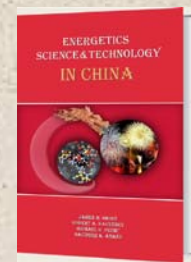
Countries with Highest Enrollment Five Year Comparison

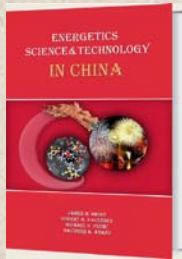


CECD INTERNATIONAL OUTREACH

- Professor James Short
 - Current Executive Editor of the *Journal of Energetic Materials*
 - Former Editor of *The International Detonation Symposium*
 - Contributed 3 papers to the 1987 *International Symposium on Pyrotechnics and Explosives*
 - A Keynote Speaker at the *International Autumn Seminar on Propellants, Explosives & Pyrotechnics* in Nanjing, September 2011

- Professor Thomas Klapoetke
 - Visiting Professor in Chemistry and ME





THE GIFT OF PEACE TREE



Photograph by Sam Bahr

China and the United States formally established diplomatic ties on January 1, 1979. To mark this 30th anniversary of diplomatic relationships, and as part of the China-U.S. sculpture exchange, the Beijing Federation of Returned Overseas Chinese donated the Peace of Tree.

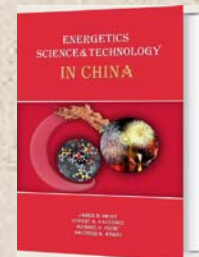
Artist:

Mr. Han Meilin, known for creating the Fuwa dolls for the 2008 Beijing Olympics

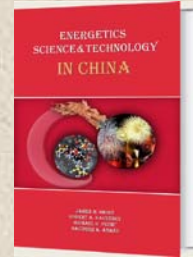
OVERVIEW OF UNIVERSITY OF MARYLAND, COLLEGE PARK CHINA ACTIVITIES

Economic Development and Training

- The University of Maryland China Research Park (UMCRP), founded in 2002
- The Institute for Global Chinese Affairs (IGCA)
- The Confucius Institute of Maryland (CIM)



Educational Programs



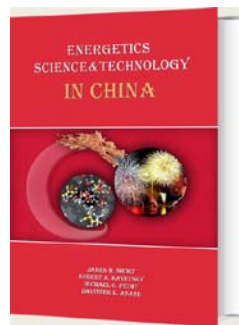
- The **Robert H. Smith School of Business** offers the Executive MBA programs in Beijing and Shanghai
- The **A. James Clark School of Engineering**'s Center for Advanced Life Cycle Engineering (CALCE) opened an office in Shenzhen
- The **Philip Merrill College of Journalism** has a long-standing relationship with Fudan University's journalism school
- The **College of Agriculture and Natural Resources** is a founding member of a consortium of U.S. universities developing programs at Chinese universities.
- The **College of Behavioral and Social Sciences (BSOS)** has the only MA program in Criminal Justice offered by a foreign university
- The **School of Public Policy** has a new Masters program in Maryland for the leadership of all 53 of China's science and technology parks.

10th YEAR ANNIVERSARY



Center for Energetic Concepts Development

Celebrating
10
Years
of Achievement
CECD



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