

# **Certification for Mechanical Engineers in China**

**CMES**

**March 18 2007**

**Brussels**

A stylized silhouette of a mountain range in shades of teal, located at the bottom right of the slide.

# Chinese Mechanical Engineering Society

- ◆ Founded May 21, 1936
- ◆ Leading national organization
- ◆ Over 180,000 individual members
- ◆ 3,000 senior members
- ◆ 4,000 corporate members

# Member Organizations

- ◆ CMES is a member of 11 international professional organizations:
  - International Congress of Mechanical Engineering Societies
  - International Institute of Welding
  - International Federation for Heat Treatment & Surface Engineering
  - International Federation for the Theory of Machine & Mechanisms
  - International Council of Pressure Vessels

# 70th Anniversary of CMES

- ◆ 9th Governing Council created
- ◆ Authorized with accreditation for higher education of mechanical engineering and certification for mechanical engineers in China
- ◆ A new President for the 9th Governing Council for 2006-2011

# Newly Elected President of CMES for 2006-2011



**Prof. Yongxiang Lu**  
Vice Chairman of the  
Standing Committee of  
China's National People's  
Congress (NPC) ;

**President of Chinese  
Academy of Science**



# Certification System for Mechanical Engineers in China

Graduates from the accredited bachelor or higher education program



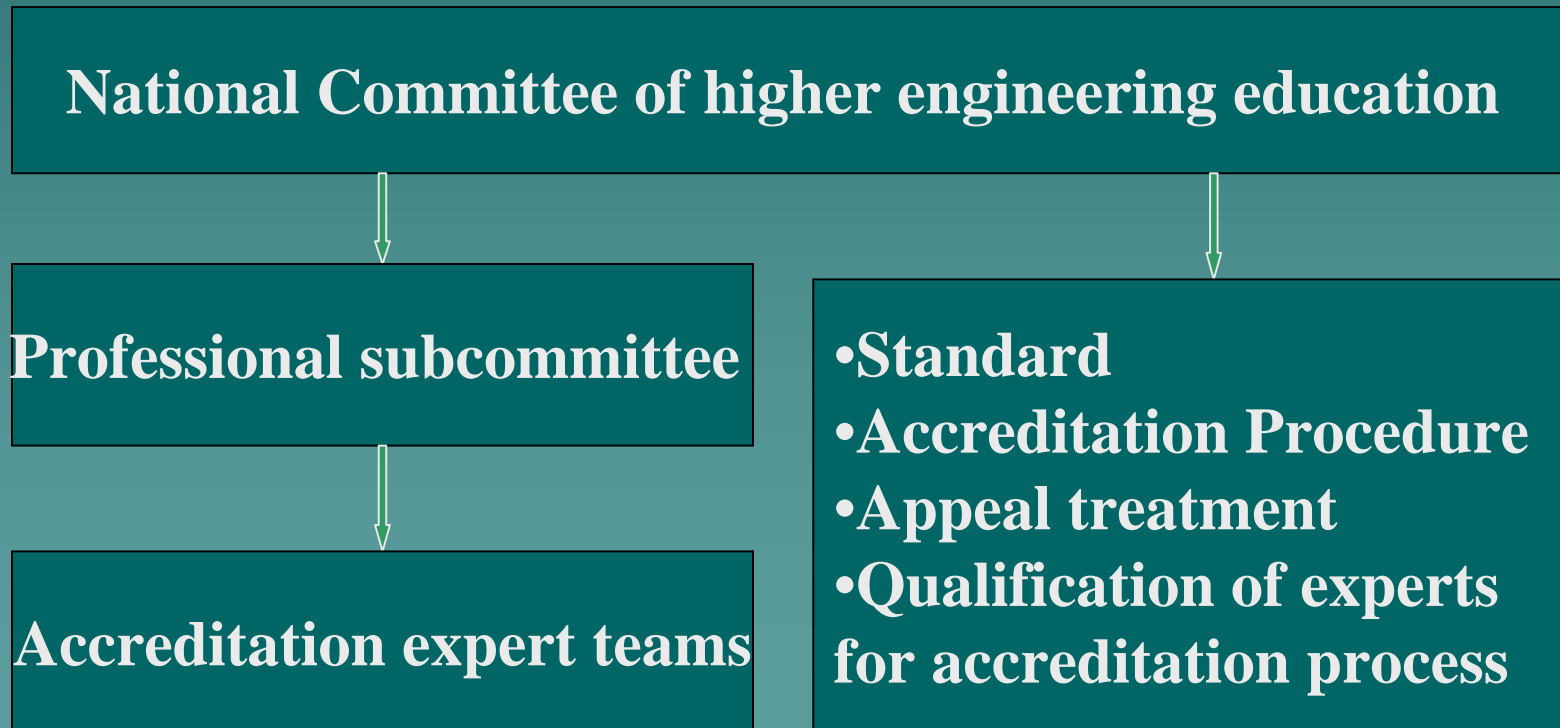
Professional career in mechanical practice and certain continuing education program for about 3-5 years



Qualification and certification process

# Accreditation of the Bachelor Education Program for Mechanical Engineering

## ◆ Structure of the accreditation



# Pilot Program

- ◆ CMES as a candidate for the Accreditation Subcommittee on Mechanical Engineering
- ◆ Compiling standard & accreditation procedures, organizing expert groups to facilitate the process
- ◆ Two accreditation programs for Mechanical Engineering completed in 2006:
  1. Beijing Aeronautical and Astronautical University
  2. Zhejiang University

# Timetable

- ◆ Continuing the pilot processes for another four universities in 2007
- ◆ Completion of standards and procedures
- ◆ Application for membership of the Washington Accord (WA).
- ◆ Aim to be an associated member of WA by 2009

# Professional Career in Mechanical Activities and Continuing Education Programs

- ◆ Career in mechanical practice for 3-5 years.
- ◆ Enrollment in the further education courses developed by our or associated societies

# Qualification and Certification for Mechanical Engineers

- ◆ Application documents
  - focus on career background
- ◆ Interview
  - held by appointed experts
- ◆ Certification
  - Chinese Certified Mechanical Engineer

# The Future

Our question now is:

How can this certification  
be recognized  
internationally in order to  
meet the needs of economic  
globalization?