



ARISTOTLE UNIVERSITY OF  
THESSALONIKI (AUT)

MICHIGAN TECHNOLOGICAL  
UNIVERSITY (MTU)



# INTERNATIONAL WORKSHOP ON ENGINEERING EDUCATION PERSPECTIVES A BALKAN CASE-STUDY

University Senate Auditorium: Karatheodory Administration Building, AUT

31 May – 1 June 2010

## *Feature Lecture*

*S. Baloyiannis (AUT)*

*On the Philosophy of Neurosciences and Education:  
From Classical Greece and Byzantine Era to Modern Times*

## *International Participation*

- *G. Djordjevic*, Univ. Nis-Physics/SEENET-MTP Executive Director
- *T. Perry*, ASME Director, Education & Professional Development
- *D. Sumarac*, Univ. Belgrade-Civil/President Serbia Chamber of Engineering (Former Minister)
- *R. Warrington*, Michigan Tech/Director Pavlis Institute
- *A. Warrington*, MTU-Pavlis Institute
- *W. Wepfer*, Georgia Tech/Chair ME & ASME – VP Engineering Education

## *Hellenic Participation*

*K. Aifantis (AUT/MTU-ERC), A. Avdelas (AUT), E. Iakovou (AUT), G. Grouios (AUT),  
S. Kourkoulis (NTUA), J. Markopoulos (AUT), N. Moussiopoulos (AUT), I. Mylopoulos (AUT),  
G. Pavlos (DUTH), E. Sidiropoulos (AUT), E. Varella (AUT), A. Zabaniotou (AUT)*

*Coordinator: E.C. Aifantis*

*Under the Auspices of the*

*Office of the Rector of Aristotle University of Thessaloniki (AUT)*

*Office of the Dean of Engineering (AUT)*

*Department of Mathematics, Physical and Computational Sciences (AUT)*

*Center for the Mechanics of Material Instabilities and Manufacturing Processes (MTU)*

**Tentative Program: International Workshop on  
ENGINEERING EDUCATION PERSPECTIVES  
A BALKAN CASE - STUDY**

**University Senate Auditorium: Karatheodory Administration Building, AUT**

**Monday, May 31**

**10:00 – 11:30 Session 1**

- **N. Moussiopoulos**, Dean of Engineering, AUT-Mechanical Engineering  
*Engineering Education & International Collaborative Efforts through AUT*
- **I. Mylopoulos**, AUT-Civil Engineering  
*European University Center at Beijing: A European Initiative for International Cooperation*
- **D. Sumarac**, Univ. Belgrade-Civil/President Serbia Chamber of Engineering (Former Minister)  
*Serbian Education Needs in Engineering & Prospects*

**11:30 – 12:00 Break**

**12:00 – 13:30 Session 2**

- **S. Kourkoulis**, National Technical University of Athens  
*Mechanics Education in Greece: Implications to Current Engineering Curricula*
- **G. Djordjevic**, Univ. Nis-Physics/SEENET-MTP Executive Director  
*Physics and Mathematics in SE Europe and Their Role in Engineering Sciences Education*
- **E. Varella**, AUT-Chemistry  
*The New AUT Curriculum in Chemistry and the EuroBachelor / Euromaster Labels*

**13:30 – 16:00 Lunch – Campus Visit**

**16:00 – 17:30 Session 3**

- **R. Warrington**, Michigan Tech/Director Pavlis Institute  
*Overview of the ASME Vision 2030 Report: Creating the Future for Mechanical Engineering*
- **W. Wepfer**, Georgia Tech/Chair ME & ASME – VP Engineering Education  
*Joint Educational Programs: Undergraduate, Graduate and Research Ventures*
- **T. Perry**, ASME Director, Education & Professional Development  
*The Leadership Summit: What we Learned from Istanbul – Next Steps, Greece/Eastern Europe*

**17:30 – 18:00 Break**

#### **18:00 – 19:30 Session 4**

- **E. Iakovou**, AUT-Mechanical Engineering  
*Supply Chain and Logistics Management Education: Need for a Holistic Perspective*
- **A. Warrington**, MTU-Pavlis Institute  
*Business Integration with Enterprise and Pavlis Leadership Programs*
- **K. Aifantis**, AUT/MTU-ERC  
*Nanotechnology/Nanosciences Aspects: A MTU-AUT Comparative Study*

#### **19:30 – 21:00 Reception**

### **Tuesday, June 1**

#### **10:00 – 11:30 Session 5**

- **A. Avdelas**, AUT-Civil Engineering  
*European Engineering Education goes International – The SEFI and CESAER initiatives*
- **A. Zabaniotou**, AUT-Chemical Engineering  
*Mediterranean/European/Multinational Educational Aspects – TIME & RMEI*
- **E. Sidiropoulos**, AUT-Rural & Surveying Engineering  
*The ATHENS European Educational Network and Special Educational/Research Projects*

#### **11:30 – 12:00 Break**

#### **12:00 – 13:30 Session 6**

- **G. Grouios**, AUT-Physical Education & Sport Sciences  
*Bridging Motor Behavior and education: A Two-Way Path is Possible*
- **J. Markopoulos**, AUT-Faculty of Education  
*Logical Positivism, Scientism & The Humanities in Engineering Education*
- **G. Pavlos**, Democritus Univ. Thrace-Electrical Engineering  
*Interdisciplinarity and Complexity in Engineering Sciences: Implications in the Philosophy of Education and Modern Civilization*

#### **13:30 – 16:00 Lunch – Campus Visit**

#### **16:00 – 19:00 Feature Lecture/Panels**

- **S. Baloyiannis**, AUT-Medical School  
*On the Philosophy of Neurosciences and Education: From Classical Greece and Byzantine Era to Modern Times*
- **Round Table**  
*Interdisciplinary Education Throughout History*

#### **19:00 – 22:00 Group Dinner**