



UNION OF HELLENIC SCIENTISTS  
FOR PROTOTYPATION AND STANDARDIZATION

8th INTERNATIONAL CONFERENCE

**STANDARDIZATION,  
PROTOTYPES & QUALITY:  
A MEANS OF BALKAN  
COUNTRIES'  
COLLABORATION**

CENTRAL SECRETARIAT of the BALKAN COORDINATING COMMITTEE (BCC)  
by the Union of Hellenic Scientists for Prototyping and Standardization (ENEPROT):  
19, Epimenidou str., 54633 Thessaloniki, Greece, Tel+fax: +30 2310 286680  
<http://prototyping.web.auth.gr/eneprotEN/die8neis.htm>

Conference website: [http://prototyping.web.auth.gr/8\\_Conference](http://prototyping.web.auth.gr/8_Conference)

October 7- 8, 2011

"Perrotis College" of American Farm School of Thessaloniki

**PROGRAM**

**FRIDAY 7/10**

(09:00 - 09:45) **Registration**

(09:45 - 10:30) **Welcome Session - Opening (Chair: Ioannis Tsiafis, Hariton Polatoglou)**

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Opening by the General Secretary of **G. Chatzikonstantinou.**  
Macedonia-Thrace.

(10:30 - 11:00) *Coffee Break*

## 1<sup>ST</sup> SESSION

(11:00 - 12:00) **STANDARDIZATION, PROTOTYPES AND QUALITY IN AGRICULTURE, FOOD** (*Chair: Ioannis Tsiafis, Konstantinos Rotsios*)

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**DETERMINANTS OF HAZARDS THAT AFFECT SAFETY AND QUALITY IN AGRICULTURAL WORK.** E. Ventouri, E. Papadopoulou, N. Hasanagas.

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**THE ROLE OF LABORATORY ACCREDITATION IN INTERNATIONAL TRADE OF AGRICULTURAL PRODUCTS** T. Bintsis.

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**MEAT CONSUMPTION PATTERNS IN GREECE (1957-2005). AN ECONOMIC ANALYSIS.** K. Vasileiou, I. Sotiropoulos, G. Georgakopoulos, C. Fragos, C. Fragos.

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**CONSUMPTION PATTERNS OF DAIRY PRODUCTS IN GREECE (1957-2005). AN ECONOMIC ANALYSIS.** I. Sotiropoulos, K. Vasileiou, G. Georgakopoulos, C. Fragos, Ch. Fragos.

## 2<sup>ND</sup> SESSION

(12:00 – 13:00) **STANDARDIZATION, PROTOTYPES AND QUALITY IN EDUCATION (I)** (*Chair: Stella Giossi, Erol Akata*)

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**UNIVERSITY - BUSINESS PARTNERSHIP DEVELOPMENT OPPORTUNITIES RECIPROCAL.** J. Dode, A. Anxhaku, G. Shqau.

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**ABOUT EDUCATION IN MASTER DEGREE PROGRAM "TECHNICAL LEGISLATION, STANDARDIZATION AND QUALITY MANAGEMENT".** M. Vicheva, B. Sandalski, G. Djukendjiev, I. Nikolova, R. Yordanov.

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**CLASSROOM RESPONSE SYSTEMS AS INSTRUCTIONAL FEEDBACK TOOLS: CAN THEY SUPPORT THE STANDARDIZATION OF SCIENCE TEACHING FORMATIVE ASSESSMENT IN SECONDARY EDUCATION?** T. Pierratos, H. Polatoglou.

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**QUALITY MANAGEMENT IN EDUCATION ACCORDING TO ISO 9001:2008 AND IWA 2:2007 STANDARDS.** C. Poustourli, A. Papastamatis, E. Valkanos.

(13:00 – 14:00) **LUNCH**

## 3<sup>RD</sup> SESSION

(14:00 - 15:00) **STANDARDIZATION, PROTOTYPES AND QUALITY IN EDUCATION (II)** (*Chair: Philippos Papadopoulos, Hariton Polatoglou*)

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**THE DETERMINANTS OF QUALITY IN EDUCATIONAL LEADERSHIP WITH A LIFELONG LEARNING HORIZON.** S. Giossi

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**MODELS FOR THE LIFE LONG TRAINING IN GREECE AND THE CONTRIBUTION OF "ENEPROT" TO THEIR CREATION.** A. Zachariadis, K. Athanassiadis, T. Bastianos, K. Christodoulou.

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**PARADOXICAL DIFFICULTIES IN TEACHING THE MATERIAL SCIENCE TO MECHANICAL ENGINEERING STUDENTS OR "CAN AN ENGINEERING STUDENT DO AS AN ENGINEER?"** E. Akata.

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**THE CONTRIBUTION OF SCHOOL TEXTBOOKS IN PROMOTING EQUALITY: SIGNIFICANCE AND SPECIFICATIONS.** A. Maidou, H. Polatoglou.

#### 4<sup>TH</sup> SESSION

(15:00 – 16:30) **STANDARDIZATION, PROTOTYPES AND QUALITY IN CONSTRUCTIONS, ENVIRONMENT** (Chair: George Banias, Branimir Sandalski)

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**M**ECCHANICAL RESISTANCE AND STABILITY OF CONCRETE STRUCTURES IN MARINE ENVIRONMENT, ANALYSED ACCORDING TO REGULATION (EU) No 305/2011 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL OF 9 MARCH 2011. N. Barovsky.

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**C**REATING POTENTIALS FOR STANDARDISATION IN HISTORIC MASONRIES RESTORATION. G. Zacharopoulou.

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**S**TANDARDS IN HOUSING DEVELOPMENT BUILDINGS IN AKÇAKOCA/İZMİT. N. Erdoğan.

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**W**ASTE MANAGEMENT AS REQUIREMENT OF ISO 14001 – SITUATION AND PROBLEMS IN SERBIA. M. Krsmanovic, J. Ruso, A. Horvat.

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**I**NTEGRATED MANAGEMENT SYSTEMS FOR CONSTRUCTION (ICMS). C. Poustourli.

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**T**OTAL QUALITY MANAGEMENT IN THE CONSTRUCTION INDUSTRY. C. Poustourli, D. Ioannidis.

(16:30 – 17:00)

**Coffee Break**

(16:30 – 17:00)

#### **POSTERS SESSION**

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**E**NSURING THE ACCURACY OF THE COORDINATE SYSTEM FOR TESTING OF MEASURING AND POSITIONING INSTRUMENTS. G. Dukendjiev, R. Jordanov.

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**Q**UALITY MANAGEMENT FOR AUTOMATED PRODUCTION OF ARMATURES FOR ELECTRICAL HAND TOOLS. D. Tchakarsky, T. Vakarelska, P. Tomov, R. Dimitrova.

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**C**LASSIFICATION OF PUNCHING OPERATIONS TO OPTIMIZE THE MACHINING OF PIPES. S. Kartunov, L. Tsanov.

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**B**ASIC ASPECTS OF A SUSTAINABLE DEVELOPMENT TRAINING IN THE HIGHER EDUCATION IN BULGARIA. G. Pandev.

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**S**TOKHASTIC MODELING OF STOCKS MANAGEMENT IN FLEXIBLE MANUFACTURING SYSTEM. A. Dumitrascu, B. Lepadatescu, A. Fota.

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(17:00 - 19:00)

**MEETING OF THE BALKAN COORDINATING COMMITTEE**

## SATURDAY 8/10

### 5TH SESSION

(09:30 - 11:15)

#### PROTOTYPING AND CERTIFICATION

(Chair: Konstantinos Athanasiadis, Vladimir Misha)

DIGITAL PROTOTYPING AND POSSIBILITIES FOR CAD/CAE KINEMATIC AND DYNAMIC ANALYSIS OF DRUM BALL MILLS WITH DIFFERENT TYPES OF GRINDING BODIES.	T. Damjanov, B. Grigorov, E. Kostadinov.
SIMULATION OF THE ROUGHING AND LAMINATE PROCESSES.	B. Lepadatescu, A. Dumitrascu, A. Fota .
A PROPOSED APPROACH IN POINTS CLOUD DISCRETIZATION TECHNIQUES.	A. Mihalache, G. Nagiț, O. Niță, I. Manole (Poșchin), M. Rîpanu.
THE RESPONSIBILITY OF THE CERTIFYING AUTHORITY IN DEFINING THE SCOPE OF QMS ACCORDING TO EN ISO 9001:2008.	L. Smedarchina, O. Nikolov.
INFLUENCE OF FEATURES OF COMPANIES AND OBSTACLES IN BUSINESS ACTIVITIES ON CERTIFICATION TO ISO MANAGEMENT SYSTEM STANDARDS - THE CASE OF COMPANIES OPERATING IN BALKAN COUNTRIES.	I. Mijatovic.
TOWARDS A STANDARDISATION OF THE INTERACTION PROCESSES BETWEEN VOLUNTEER ORGANIZATIONS AND PUBLIC LEGAL ENTITIES.	H. Polatoglou, D. Nalmpantis.
QUALITY ASSURANCE ISSUES IN GREEK COMPANIES PROVIDING SERVICES: A LITERATURE REVIEW.	A. Adamidou, Y. Nikolaidis.

(11:15 - 11:30)

#### Coffee Break

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### 6TH SESSION

(11:30 - 13:30)

#### STANDARDIZATION, PROTOTYPES AND QUALITY IN PRODUCTION, LOGISTICS

(Chair: Dimitris Folinis, Nikolay Barovsky)

SIMULATION AND PRIMARY PRINCIPAL ALGORITHMIZATION OF CONFORMITY ASSESSMENT OF PRODUCTS.	B. Sandalski, B. Georgiev, B. Ilieva.
QUALITY MODEL FOR SEMANTIC "IS" STANDARDS.	E. Folmer.
COGNITIVE RADIO: AN "ENABLER" FOR FUTURE EVOLUTION OF COMMUNICATIONS SYSTEMS.	I. Chochliouros, A. Spiliopoulou.
PERSPECTIVES FOR DEVELOPING MODERN ENERGY-AWARE SELF-GROWING NETWORKS.	I. Chochliouros.
INVESTIGATING THE LINKS AMONG INVENTORY TURNOVER AND FINANCIAL PERFORMANCE.	D. Folinis, C. -Yi Shen.
CASE STUDY REGARDING THE IMPLEMENTATION OF RISKS MANAGEMENT PROCEDURE FOR FLEXIBLE MANUFACTURING SYSTEMS.	A. Dumitrascu, B. Lepadatescu, A. Fota.
CERTIFIED GREEK COMPANIES OF WOOD AND FURNITURE AND CERTIFIED WOOD PRODUCTS.	E. Kollias, A. Christodoulou.
OUT OF THE MAIN STREAM: THE HELLENIC PATH TO DEVELOPMENT	A. Zachariadis, D. Folinis, D. Mylonas

(13:30 - 14:15)

#### CONCLUSIONS

(Chair: Stella Giossi, Ivana Mijatovic)

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**Special  
keynote**

Common Agricultural Policy of Eu with  
Consumers for Consumers.

**E. Kekeleki,**  
*(General Secretary of KEPKA,  
Member EESC and Member  
ECCG)*

(14:15 - 15:15)

**FAREWELL LUNCH**

**COMMITTEES**

**BALKAN COORDINATING COMMITTEE**

**ALBANIA**

Agim Anxhaku

Director of Regulatory Reform & Quality Infrastructure,  
Ministry of Economy, Trade and Energy of Albania.  
Quality Systems Expert, Directorate of Accreditation.

Vladimir Misha

**BULGARIA**

Radoslav Kotev

Bulgarian Union of Standardizers (BUS).

Branimir Sandalski

President of Bulgarian Council for Voluntary Certification.

**FYROM**

Laszlo Kocsis

South East European University.

**GREECE**

Konstantinos Athanassiadis

President of the Hellenic Institute of Metrology,  
Gen.Secretary of ENEPROT.

Angelos Zachariadis

Chairman of ENEPROT.

**ROMANIA,**

Adriana Fota

Transylvania University of Brasov.

Badea Lepadatescu

Transylvania University of Brasov.

**SERBIA**

Jovan Filipovic

Belgrade University.

Ivana Mijatović

Belgrade University.

**SLOVENIA**

Aleksander Janeš

University of Primorska.

**TURKEY**

Erol Akata

Istanbul Aydin University.

Nevnihal Erdogan

Kocaeli University.

## GREEK ORGANIZING COMMITTEE

**Chairman:** Ioannis Tsiafis      Assoc. Prof., Aristotle University of Thessaloniki.

**Vice Chairman:** Antonia Moropoulou      Vice Rector of National Technical University of Athens.

Konstantinos Adamopoulos      Assist. Prof., Aristotle University of Thessaloniki.  
Konstantinos Athanassiadis      President of the Hellenic Institute of Metrology.  
Dimitris Folinas      Assoc. Prof., Alex. Technological Educ. Institute of Thessaloniki.  
Stella Giossi      Dipl.Econ., MBA, Quality Consultant & Auditor.  
Philippos Karipidis      Vice President of the Alex. Technol.Educ. Institute of Thess.  
Nikolaos Karnavos      Technical Chamber of Greece/ Dept of Cent Macedonia.  
Konstantinos Kokkolakis      Director, Civil Protection-Decentralized Admin. of Maced.-Thrace.  
Nikolaos Mousiopoulos      Deputy Chairman of the Gov. Board of the Intern. Hellenic Univ.  
Eleftherios Pitsokos      Supervisor in Forestry of Polygyros Chalkidikis.  
Konstantinos Rotsios      American Farm School.  
Theocharis Zagas      Assoc. Prof., Aristotle University of Thessaloniki.

## GREEK SCIENTIFIC COMMITTEE

Stamatis Angelopoulos      Assist. Prof., Alex. Technological Educ. Institute of Thessaloniki  
Dimitrios Aidonis      Lecturer, Alex. Technological Educ. Institute of Thessaloniki  
Konstantinos Athanassiadis      President of the Hell. Inst. of Metrology, Gen. Secr. of ENEPROT.  
Katia Baltzaki      PhD, Electrical Engineer.  
George Banias      Dr. Mechanical Eng. MSc, International Hellenic University.  
Evangelos Chrysafides      Assis. Prof., Aristotle University of Thessaloniki.  
Ioannis Chochliouros      Telecommunications Engineer, M.Sc., Ph.D.  
Nikolaos Depountis      Dipl. Mech. Eng. NTUA, Quality and Project Mngnt Advisor.  
Dimitrios Folinas      Assoc. Prof., Alex. Technological Educ. Institute of Thessaloniki.  
Stella Giossi      Dipl. Econ. M.B.A., Quality Auditor & Consultant.  
George Kapetanos      Dr. Mechanical Engineer, ELOT SA/Certification Division.  
Nikolaos Litinas      Dipl. Eng., President of the Certification Council of ELOT.  
Dimitrios Mylonas      MSc, Economist - Legal advisor - Accountant A' Class.  
Yiannis Nikolaidis      Assis. Prof., University of Macedonia, Greece.  
Philippos Papadopoulos      Dr. Acting Academic Dean of Perrotis College, Amer. Farm Schl.  
Nikolas Papakonstantinou      Dipl. Agriculture, Quality Consultant.  
Konstantinos Papas      Dipl. Engineer, Quality Consultant.  
Hariton Polatoglou      Assoc. Prof., Aristotle University, Vice- Chairman of ENEPROT.  
Aikaterini Poustourli      PhD in TQM, Dipl. Production & Mngnt Engineer, TEI of Serres.  
Sotirios Psimenos      Mech. Engineer.  
Vlachos Dimitris      Assist. Professor of International Hellenic University.  
Stefanos Zaoutsos      MSc, PhD, Associate Prof. in Technological Educ. Institute of Larissa.



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