

FEBRUARY 2004

- 11 FEBRUARY 2004

National Olive Tree and Vine Registry

Keynote speaker for the event was the minister of Agriculture Mr. Y. Drys; the speakers were representatives of the Ministry of Agriculture and TEE.

It was emphasized that the compilation of the Olive Tree and Vine Registry by the Ministry of Agriculture, was a positive development that could, however, have been completed sooner and in a more cost-effective way, thus avoiding complications and fines by the European Union. The compilation of the registry could have been eligible for incorporation in the program of the National Cadastral and Land Registry and an up-to-date management system of the sensitive subject of agricultural product subsidies would have been implemented, had the proposals made by TEE for the past twelve years been adopted.

MARCH 2004

- TUESDAY 30 MARCH 2004

Eurocodes Seminar

The General Secretariat for Public Works of the Ministry for the Environment, Physical Planning and Public Works (GGDE/YPEXODE), the Directorate for Quality Control and Human Resources and the Eurocodes Committee of the Ministry for the Environment in cooperation with TEE and ELOT organized a one day Seminar for the Eurocodes.

The purpose of the seminar was to inform the engineers working in the public and the private sector, especially those involved with technical design studies, about the important developments and the current status of Eurocodes.

The seminar focused on the history, legal framework and timetable for the Eurocodes implementation. A detailed presentation of their content by the national representatives in charge of the issue was also made.

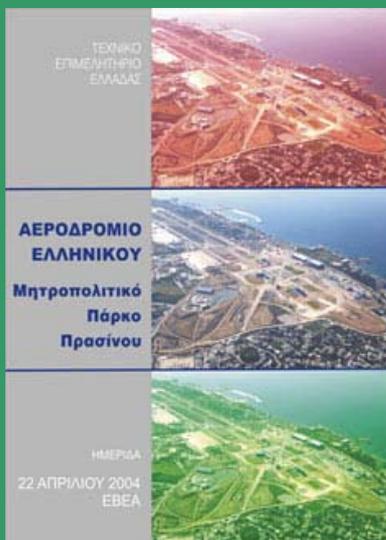
APRIL 2004

- THYRSDAY 22 APRIL 2004

The "Hellenikon" Metropolitan Park – Urban Green Space

Purpose of the Workshop:

- To raise the issues related to the old Airport of "Hellenikon".
- To present the positions of TEE on this issue.
- To provide a forum for the State, Political Parties and organizations and bodies in charge of the issue to present their views.
- To present the developments since the announcement of the International Competition for the "Hellenikon Metropolitan Park".



Representatives of the Political Parties and the following organizations were invited to participate:

- The Hellenic Association of Degreed Architects (SADAS)
- The Hellenic Association of Urban and Regional Planners
- The Hellenic Section of the U.I.A. (UNION INTERNATIONALE DES ARCHITECTS)
- Secretariat General for the Environment and Urban Development of the Ministry for the Environment, Physical Planning and Public Works.
- Organization for the City Master Plan of Athens (Schéma Directeur d'Aménagement et d'Urbanization d'Athènes).
- Municipalities of Alimos, Argyrupolis, Glifada, Hellenikon.
- Association of Organizations and Municipal Parties of Alimos, Argyrupolis, Glifada, Hellenikon.
- National Technical University of Athens.
- Federation of Associations of the Commercial Aviation Agency.
- Chamber of Environment and Sustainability.
- Local League of Municipalities and Communities of the Prefecture of Attica.
- The Prefecture of Attica.

MAY 2004

- **5,7,8 MAY 2004**

Series of Events "Environment and Peace"

Concurrently with the events organized by the International Council for Peace and the Greek Committee for the International Détente and Peace (EEDYE): "Olympiad of Peace" (January through May 2004) the TEE hosted a series of events titled "Environment and Peace":

- One Day Conference on the "Environment and Peace"
- Panhellenic Chess Tournament for Engineers and Engineering students.
- Open Painting Lab for children titled "Environment and Peace".

Coordinator of the events and liaison with the TEE and the EEDYE, was Mrs. St.Xarchakou, former Member of the Executive Committee of TEE.

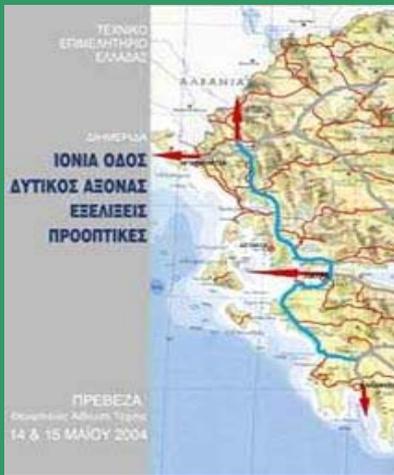
- **13 MAY 2004**

"Information and Communications Technologies- Searching for Solutions"

The aims of the event were:

1. To initiate a public discussion on policy issues regarding Information and Communications Technologies and demonstrate their importance in the overall policy dialogue.
2. To obtain the commitment of the new government to the priorities of the ICT and invite the political parties of the opposition to present their positions.
3. The progress of the Operational Program "Information Society".
4. The institutional framework of employment of ICT Scientists, ICT studies and projects, the effectiveness and viability of projects.





• **14 & 15 MAY 2004**
IONIA ODOS MOTORWAY (WESTERN AXIS)
Developments-Perspectives
PREVEZA

The purpose of the two-day conference was the information and exchange of views about the developments and outlook of transportation projects in Western Greece between bodies and organizations that are interested in and/or involved with the design, planning and implementation of such projects.

• **20 & 21 MAY 2004**
Urban Development and Construction

Purpose of the Two Day Event:

The exchange of views among organizations involved with Urban Development and the timely tackling of issues in conjunction with Law 3212/03 regarding the new regulations on the issue of permits, technical design studies and construction, the new disciplinary actions against engineers, insurance of studies and construction, construction without permit and informal settlements outside the city boundaries.

Agenda of the Event:

1. Procedures for the Issue of Building Permits

- Required Documents and Procedures (change of current status PD/93)
- Organization and operation of Urban Development Agencies.
- Technical Design Study Approval-Approval by other agencies.
- Codification and simplification of Urban Development legislation and case specific legislation.
- Construction Review – responsibilities of project owners.
- Disciplinary Action against engineers.
- Safety in Construction.
- Parking spaces – Presidential Decree (PD) for parking spaces in connection with the transfer of building ratio.

2. Construction without Permit

- Locating structures built without a building permit.
- Type of structure without permit – categories – fines.
- Relationship of Urban Development Agencies, Technical Agencies of Municipalities and DEH and EYDAP (Electric Power Public Company and Water Utility).
- Small violations – small scale construction works.
- Legalization of structures built without permit.

3. Construction Outside the City Boundaries





- **22-27 MAY 2004**

International Conference of Rural and Surveying Engineers. Annual General Assembly and Working Week of the International Association of Surveying Engineers (FIG). Subject: "The Olympic Spirit in Surveying"

The TEE, in collaboration with the Greek Association of Agricultural and Surveying Engineers organized the 27th General Assembly and Working Week of the International Association of Surveying Engineers "FIG 27th General Assembly – Working Week" titled "The Olympic Spirit in Surveying", on 22-27 May 2004. More than 400 representatives from 67 countries attended the event.

The Working Week offered the attendees an excellent opportunity to feel the Olympic Spirit in Research and Science and watch the final stages of the preparation for the Olympic Games in August.

A variety of topics, covering a broad spectrum of interests were addressed at the meetings (i.e. Political issues in Modern Technology, Professional Issues, Spatial Data and Information Management, Land Mapping, Land Registry, Cadastre and Land records, Zoning, Real Estate Evaluation and Management, Financial Issues and Project and Construction Management, Archeological Surveying, History of Research, Hydrography etc). More than 200 papers were presented and published at the Conference Proceedings.

An exhibit on *Ancient Greek Technology and Metrology Instruments* was also hosted. It was organized by the Company for the Study of Ancient Greek Technology and TEE, with the participation of the Centre for the Dissemination of Science and the Technology Museum, and included a selection of the technological achievements of Ancient Greece along with displays of devices that were used for measurements in Surveying and Astronomy.

An animation documentary presenting the achievements of the great 18th century Greek engineer M. Harbouri was shown: The transport of a 2000 tons rock over a 20 km distance to the city of St. Petersburg.

Three field trips were conducted: to the Olympic village, the Cadastre and Land Records and the Olympic Rowing and Canoeing Center at Schinias.

JUNE 2004

- **TUESDAY 1 JUNE 2004**

LECTURE CYCLE

TEE SCIENCE AND DEVELOPMENT DEPARTMENT

The lecture cycle developed by TEE's Science and Development Department according to a proposal by the Special Scientific Committee for Structural Materials and Elements, titled "Pathology of Structures", continued with two lectures:



“Traditional Mortars”

Speakers:

S.Anagnostopoulou, M.Sc., Chemical Engineering

A.Bakolas, Ph.D, NTU-Athens, Industrial Chemistry

Mortar and concrete used in traditional construction, their evolution through the years regarding the composition of the mortar and the admixtures used for the improvement of their properties depending on their type and technical application.

Specifically, a detailed presentation of the following was made:

- Mortar applications and their evolution
- Cement – Properties and evolution
- Inorganic additives-natural and synthetic pozolanes
- Traditional organic additives
- Non-reactive materials – natural and man-made
- Pathology of mortars, types of wear etc.

• THURSDAY 3 JUNE 2004

“Mortars and slurries for the restoration of traditional masonry”

Speakers:

Dr. A.Miltiadou-Fezans, Civil Engineer, Director, Structure Restoration Research, General Directorate of Museum Restoration and Technical Projects - Ministry of Culture.

E. Angelakopoulou, M.Sc. Chemical Engineer, Monument Protection

P.Moundoulas, Chemical Engineer

Topics Presented:

1. The method of hydraulic slurries for the repair and reinforcement of old stone-structures.

This method is frequently used for the repair and reinforcement of cracked and ruined old stone-structures, especially in earthquake prone areas.

The method's main advantage, especially in the case of historic and listed buildings, with the simultaneous use of deep joints, is to preserve the structure's unity, integrity and strength without altering its external form and geometry.

2. A Reverse Engineering approach in the design of compatible restoration mortars.

The proposed Reverse Engineering method aims at:

- Simulating historic mortars.
- Improving their properties.
- Reproducing and controlling their fabrication according to the technical specification.

It should be noted that the speakers' presentations included data and analysis from the research conducted in the Laboratory of Science and Technology of Materials in the Chemical Engineering Department of NTUA, Supervisor: Professor Antonia Moropoulou.

- 18-20 JUNE 2004

**Tourism and Cultural Environment:
International Scientific Symposium, Argostoli,
Cephalonia, TEE, TEE/ Western Greece, TEE/ Corfu,
Greek Section ICOMOS, Cefalonia and Corfu
Foundation in cooperation with the NTU Athens, the
University of Thessaly and other organizations.**

- 22 JUNE 2004

**Earthquake Engineering: from Theory to Practice
The Greek Section of Anti-Seismic Engineering
(Member of the International Association of Anti-
Seismic Engineering) and TEE organized a Lecture by
Prof. Nikolaos Ambrasis on the topic of: "Anti-Seismic
Engineering: From THEORY to PRACTICE"**

JULY 2004

- 12 JULY 2004

INTAS Announcements

(Nanotechnologies, nanoscience, new materials, processes and production configuration (NanoMatPro)/ Global change and ecosystems/ Sustainable Energy Systems

Information about new announcements and calls for Proposals of European Research Programs- 6th Framework Program-New opportunities for cooperation with the New Developing Nations (open INTAS announcements and Calls for Proposals)

OCTOBER 2004

- 20 OCTOBER 2004

Professional Rights in Information Technology

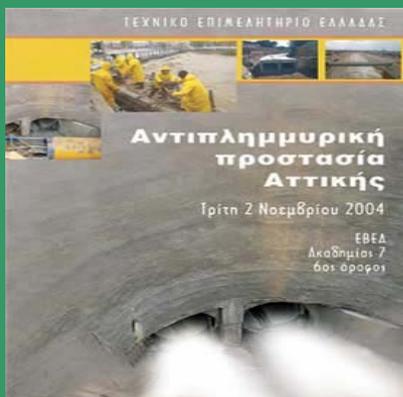
The purpose of the event was to demonstrate the importance of establishing the rights of IT professionals and explore how this can lead to higher standards in IT projects.

- 21-22 OCTOBER 2004

Two-Day Meetings for the Restoration and Preservation of our architectural heritage, Ministry of Culture, ICOMOS/TEE

1st Day: Presentation of the International Chart of ICOMOS for the analysis and restoration of architectural heritage.
2nd Day: International Meeting for the anti-seismic design of the structural interventions in historic monuments.





November 2004

• **2 NOVEMBER 2004**
“Flood Protection of Attica”

The purpose of the One-Day Meeting was the exchange of views and information among all interested parties regarding the general principles of comprehensive and up-to-date design for the flood protection and drainage of the Prefecture of Attica. Such design and planning should include all existing and required additional works that would effectively address current and future needs of the prefecture in the areas of flood protection and drainage.

• **4 NOVEMBER 2004**
Natural Gas Penetration in the Energy Market

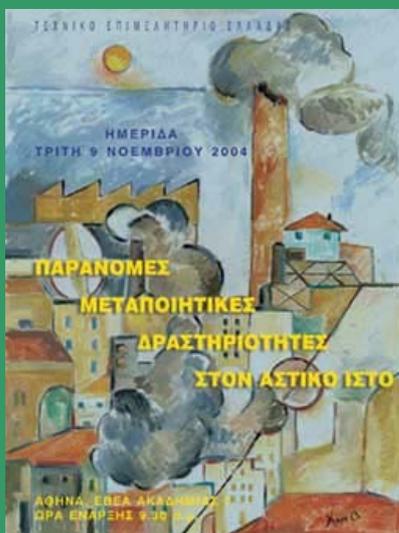
It was noted that further discussion is required on issues regarding the penetration of Natural Gas in the home, commercial and industrial sectors as well as the technical problems to be encountered by engineers working on technical studies and/ or supervision of projects connecting old and new buildings with the natural gas networks, the feasibility of constructing internal networks in existing structures and the safety requirements for natural gas networks.

• **7-9 NOVEMBER 2004**
“Illegal manufacturing activities within the Urban Web”

The purpose of the event was the in-depth analysis of the reasons, consequences as well as the measures required to deal with the problem of small manufacturing units operating illegally within the Urban Web. This effort will undoubtedly contribute to the broader discussion on the important role of manufacturing in the general production activities and the necessary measures for the safe operation of such units regarding primarily their environmental and zoning impact as well as the safety of the people directly or indirectly involved with their operation (employees and residents of the areas where they are located). The event also aimed at presenting and analyzing the framework of a comprehensive approach for the solution of the problem.

The general thematic axes proposed were:

- Causes of the problem (institutional, zoning, urban planning)
- Economic and social role of illegal manufacturing activities (production and employment)
- Environmental and zoning impact. Safety in the workplace and the residential areas in the vicinity of such illegally operating units.
- Proposals for creating a framework for the solution of the problem.



- **11-12 NOVEMBER 2004**

Modern Techniques for the evaluation of the operational condition of Electric Power Network equipment:

International Workshop, Athens, TEE, CIGRE/STUDY Committee A2 & D1

- **25 NOVEMBER 2004**

“European Standard for Concrete: Specifications, Functionality, Production and Compliance (EN 206-1)

The aims of the Workshop were:

- To sensitize and inform all parties involved in construction, maintenance and repairs of concrete made structures at the time of the initial application of EN 206-1 in Greece. It concerns: engineering consultants for design and composition of concrete, supervising engineers in charge of concrete quality control, construction companies/ contractors/ sub-contractors, site and material supervisors, laboratory personnel in charge of tests and verifications (in the public or private sector, independent or subsidiaries) committee members and experts, auditors, owners and users.
- To provide information regarding the timing of the mandatory and possibly gradual application of the Standard, the phasing-out and replacement of articles of the Greek Regulations of Concrete Technology regarding concrete and its main ingredients (cement and aggregates). To prevent a period of confusion and disorder at the initial phase of the application of the new Standard.
- To inform all interested parties about their responsibilities, whether regulatory (unconditional) or conditional for one or both signatory parties.

DECEMBER 2004

- **8 DECEMBER 2004**
“Building Safety”

A workshop was organized as part of the European Week dedicated to **Health and Safety at Work 2004**; its subject was the slogan of the European Week: “Building Safety”.

The issues addressed were:

1. Responsibilities of those working on technical projects.
2. Statistics of accidents in the workplace, especially in construction.
3. Management of Health and Safety Systems in technical projects-Plan and File on Health and Safety.
4. Prevention of safety hazards in small, privately owned projects.
5. Education and Training on Health and Safety in technical projects.



- **9 DECEMBER 2004**
EBEA

The Technical Chamber of Greece (TEE) co-organized with the Greek Section of Earthquake Engineering (ETAM) a lecture by Professor Theodore Tassios on "Available Rotation Angle in the Plastic Region of Reinforced Concrete Structural Elements under Seismic Load"

- **10 DECEMBER 2004**
EBEA

Methodology of Optimized Modeling for Waste Management/ Implementation Data from the region of Attica

The Technical Chamber of Greece (TEE) organized in collaboration with the Department of Environmental Engineering of the Technical University of Crete, a Lecture-Round Table Discussion entitled: "Methodology of Optimized Modeling for Waste Management/ Implementation Data from the region of Attica"

The speaker was Professor Alexandros P.Economopoulos, Department of Environmental Engineering of the Technical University of Crete.

Purpose of the Event:

- Presentation of optimization modeling methodology for the waste management of extensive areas.
- Presentation of results of Research Program titled: "Management Study: Validation of Local Station Network for the Reloading of Waste – Optimized Electro-Mechanical and Transportation Equipment", by the Technical University of Crete for ESDKNA, regarding the optimization of Solid Waste management of Attica through a Network of Reload Stations (NRS)
- The raising through the **round table** discussion, of issues particular to solid waste management in large urban developments; special topics such as important economic benefits; the need for establishing large scale units for the treatment of waste for the achievement of economies of scale; transport of waste over large distances; the capability to find new, more socially acceptable solutions for treatment units and the point of view of the State regarding their design and implementation.

- **20 DECEMBER 2004**

"European Union 6th FP: Research Infrastructure and Current Call for Proposals"

The purpose of the event was to inform organizations and bodies engaged in research activities (research centers, universities, businesses and organizations in the public and private sectors) as well as individual investigators about the opportunities offered by the program "Research Infrastructure" of the EU 6th Framework Program.



- **TUESDAY 21 DECEMBER 2004**
National Research Center



The Technical Chamber of Greece, as part of its activities for the Research and Technology, in cooperation with the National Documentation Center (EKT), as the National Contact Point for the Program "Research Infrastructure" and with the support of General Secretariat for Research and Technology and the European Commission (Directorate General "Research") organized a workshop titled:

"Large Scale Infrastructure for Research and Technology Development in Europe: The Research Infrastructure and the current call for proposals of the 6th EU Framework Program.

The aim of the event was to inform all organizations engaged in research activities (research centers, universities, businesses and organizations of the public and private sectors) as well as individual investigators about the possibilities of the program "Research Infrastructure" of the 6th Framework Program.