



NATIONAL TECHNICAL UNIVERSITY OF ATHENS
METSOVION INTERDISCIPLINARY RESEARCH CENTER (M.I.R.C.)

for the Protection and Development of Mountainous Environment
and Local European Cultures

THE 6th INTERDISCIPLINARY INTERUNIVERSITY CONFERENCE
of the N.T.U.A. and the N.T.U.A. M.I.R.C.

"THE INTEGRATED DEVELOPMENT OF MOUNTAINOUS AREAS"
INTERDISCIPLINARY RESEARCHES, STUDIES AND CONTRIBUTIONS, WORKS, ACTIONS,
STRATEGIES, POLICIES, APPLICATIONS, PERSPECTIVES,
POTENTIAL AND LIMITATIONS.

METSOVO, SEPTEMBER 2010

1st ANNOUNCEMENT

Athens, March 2009

1. CONFERENCE SUBJECT

The **National Technical University of Athens (N.T.U.A)** and the **N.T.U.A. Metsovion Interdisciplinary Research Center (M.I.R.C.)** for the protection and development of mountainous environment and local European cultures, following the proposal of the **Scientific Commission of N.T.U.A. M.I.R.C.** and the **Executive Advisory Committee of the Metsovo Bureau of "N.T.U.A. Property Utilisation and Management Company"** and in appreciation of the success of the first five conferences held in Metsovo every three years since 1995, organize the **6th INTERDISCIPLINARY / INTERUNIVERSITY CONFERENCE OF THE NATIONAL TECHNICAL UNIVERSITY OF ATHENS**, in **September 2010**, at N.T.U.A.'s settlements (M.I.R.C.) in Metsovo (Epirus, Greece).

Through this Conference, the organization of which is supported by M.I.R.C.'s Development Foundation, the Prefecture of Ioannina and the Municipality of Metsovo, N.T.U.A. once more acknowledges and honors the contribution of the great benefactors from Metsovo to its establishment, operation and development and pays back a part of its debt to their homeland.

The Subject of the 6th Interdisciplinary / Interuniversity Conference of N.T.U.A. is:

"INTEGRATED DEVELOPMENT OF MOUNTAINOUS AREAS"
INTERDISCIPLINARY RESEARCHES, STUDIES AND CONTRIBUTIONS, WORKS, ACTIONS,
STRATEGIES, POLICIES, APPLICATIONS, PERSPECTIVES,
POTENTIAL AND LIMITATIONS.

N.T.U.A. pursues closer cooperation with the Universities of Ioannina and Thessaly and all the other Greek Universities, relative research centers and public organizations and development of interdisciplinary theoretical and applied initiatives, which aim at the Integrated Development of Mountainous Areas and especially of the Region of Epirus and Metsovo Province.

2. THE CONFERENCES OF N.T.U.A. AND N.T.U.A. M.I.R.C. FOR METSOVO

The Conferences of N.T.U.A. and N.T.U.A. M.I.R.C. are held every three years, in Metsovo. They host:

- (a) Scientific, research and technical/technological contributions of scientists, graduate engineers and members of the Teaching and Research Personnel of the National Technical University of Athens, the Universities of Ioannina and Thessaly and other Greek Universities on broader issues of Technology, Development, Environment and Culture, as well as specific issues affecting Metsovo, Metsovo Province and the region of Epirus.
- (b) The best graduate and postgraduate projects/theses on Integrated Development by students of the National Technical University of Athens and other Greek Universities.
- (c) Interdisciplinary and Integrated research papers on multidimensional contemporary global societal issues relevant to the monitoring and the protection of Mountainous Environment and Local European Cultures and to the contribution of Education, Research and Technology to the Integrated Development of mountainous regions.

3. SPECIFIC ISSUES ADDRESSED BY THE 6th CONFERENCE

The 6th INTERDISCIPLINARY / INTERUNIVERSITY CONFERENCE OF THE N.T.U.A. and N.T.U.A. M.I.R.C. will focus on the investigation, research and development of methods and techniques of highly prioritized issues.

Theoretical contributions and specific applications to be presented in the Sixth Interdisciplinary Interuniversity Conference should aim to assist the development or the integration of methods, techniques, software and/or other scientific and technological innovations in the following interdisciplinary fields:

1. **Revitalization and improvement of the quality of life in Mountainous Areas. Strategies and Policies for the confrontation of Demographical Issues.**
2. **Observation, monitoring, mapping, enhancement and protection of the Mountainous Environment (natural / socioeconomic / cultural). Metsovo, Greece, the Balkans, the Mediterranean, Europe (Methods, new technologies, applications, policies).**
3. **Natural and Human Resources of Mountainous Areas. Investigation, Study, Inventory, Utilisation of Mineral, Water and Geothermal resources.**
4. **Documentation, conservation and promotion of the cultural heritage of Mountainous Areas.**
5. **Issues in Mountainous Areas. Prevention and confrontation of natural disasters. Landslides. Impacts of large-scale Technical Works.**
6. **Improvement of housing, employment and production conditions in Mountainous Areas.**
7. **Contribution of Engineers and Interdisciplinary Research and Study Groups in the confrontation of Mountainous Areas issues.**
8. **Cadastral, Regional Planning and Land Policy in Mountainous Areas.**
9. **Development of energy technologies, which are friendly to the human, natural and cultural environment, in Mountainous Areas.**
10. **Integrated and Decentralized (economic, social, political, technical/technological and cultural) Development of Mountainous Areas, in dialectic harmony with the environment and with respect toward it.**
11. **Contributions to the development of local production of new materials and products, which are useful to human beings and friendly to the environment.**
12. **Contribution of new technologies to the production of new services, which are useful to human beings and the society in Mountainous Areas (Medical Technology, Tele-medicine, Tele-informatics, etc.)**
13. **Statistical, Bibliographical etc. Investigations, Documentations, Surveys, Processing and Theoretical and Critical Approaches to issues relevant to the Integrated Development of Mountainous Areas.**
14. **Metsovo Province as a pole for integrated decentralized, harmonious, scientific and technical/technological Development and Culture. Requirements, Possibilities, Prospects.**
15. **Global, European and National Strategies for the Development and Protection of Mountainous Areas. Critical Evaluations, Documented Proposals.**
16. **European and Greek Mountainous Areas Development Programmes. Scope, Financing, Works, Actions, Results, Critical Evaluations.**

4. CONFERENCE EXHIBITION

The Conference will host a poster exhibition of student projects, graduate and postgraduate theses, as well as studies, applications, projects and research of PhD candidates, engineers and other scientists on technical, technological, developmental, environmental and cultural issues relevant to Mountainous Areas, Metsovo and the whole region.

For additional information, please contact the N.T.U.A. M.I.R.C. (Professor D. Rokos)

Tel. +30 10 7722593, 7723448, Fax: +30 10 77722594

E-mail: drdrok@central.ntua.gr and mircc@central.ntua.gr

Professor D. Rokos

Scientific Responsible of N.T.U.A. M.I.R.C.

Remote Sensing Laboratory

Faculty of Rural and Surveying Engineering

National Technical University of Athens

9 Heron Polytechniou, Zografos 15780, Greece.