



INTERNATIONAL FEDERATION OF SURVEYORS (FIG)
INTERNATIONAL SOCIETY OF PHOTOGRAMMETRY
AND REMOTE SENSING (ISPRS)
INTERNATIONAL CARTOGRAPHIC ASSOCIATION (ICA)
COUNCIL OF EUROPEAN GEODETIC SURVEYORS (CLGE)
EUROPEAN GROUP OF SURVEYORS (EGoS)
UNITED NATIONS OFFICE AT VIENNA, OFFICE FOR
OUTER SPACE AFFAIRS (UNOV-OOSA)
INTERNATIONAL ASSOCIATION OF GEODESY (IAG)
EUROPEAN GEOSCIENCES UNION (EGU)
CENTRAL EUROPEAN INITIATIVE (CEI)
EUROPEAN ACADEMY OF ARCHITECTURE (EAA)
UNION OF SURVEYORS AND LAND MANAGERS IN BULGARIA (USLMB)
FEDERATION OF THE SCIENTIFIC ENGINEERING UNIONS (FNTS)
BULGARIAN ACADEMY OF SCIENCE (BAS)
UNIVERSITY OF ARCHITECTURE, CIVIL ENGINEERING AND GEODESY (UACG)
MINISTRY OF REGIONAL DEVELOPMENT AND PUBLIC WORKS
AGENCY OF GEODESY, CARTOGRAPHY AND CADASTRE (MRDPW-AGCC)
MINISTRY OF AGRICULTURE AND FOODS (MAF)
MINISTRY OF DEFENCE – MILITARY GEOGRAPHICAL DEPARTMENT (MD-MGD)
CHAMBER OF SURVEYOR ENGINEERS (CSE)
UNION OF SCIENTISTS IN BULGARIA (USB) - TECHNICAL SCIENCES SECTION,
GEOLOGICAL – GEOGRAPHICAL SECTION
BULGARIAN AEROSPACE AGENCY (BASA)

20th INTERNATIONAL SYMPOSIUM
ON
**MODERN TECHNOLOGIES, EDUCATION AND
PROFESSIONAL PRACTICE IN GEODESY AND
RELATED FIELDS**

With a Special Session for Young Specialists and Students
and exhibition

PRELIMINARY PROGRAMME

23 - 25 September 2010
Bulgaria Albena Resort

22 September 2010 (Wednesday)

15:00 – 20:00 Registration

23 September 2010 (Thursday)

08.00 - 09.00 Registration

09.00 – 09.15 **Opening of the Symposium and Exhibition**
Corr.- Mem. of BAS Prof. Dr. Eng. Georgi Milev
President of USLMB and Chairman of the Organizing Committee (BG)
Greetings from: FIG, ISPRS, CLGE

09.15 - 10.30 **Papers and Discussions (I)**

Landinspector Henning Elmstroem (DK), Prof. Dr. Georgi Valev (BG)

1. CLGE – New Stage of the Development of the Organization of the European Surveyors.
H. Elmstroem (DK)
2. Specific Characteristics During the Assessment of Earth's Crust Deformations on Results of Deodetic Measurements
S. Gospodinov (BG)
3. Land Surveyors and Sustainable Development the Agenda 21 of the French Order of Licensed Protection of Public Infrastructure.
P. Bibollet (FR)
4. Performance Aanalysis of Precise Point Positioning Technique by Using WEB Based Processing Service and Bernese Scientific Software.
R. M. Alkan (TR)

10.30 – 10.45 Coffee Break

10.45 – 12.30 **Papers and Discussions (II)**

GEODESY, TERRITORIES' PROTECTION, EDUCATION

Assoc. Prof. Dr. R. M. Alkan (TR), Assoc. Prof. Dr. Boiko. Rangelov (BG)

5. The Comparative Analysis About the Strong Earthquakes near Sumatra (2004) & Chile (2010), Tsunamis Generated Geodesy Displacements
B. Rangelov (BG)
6. Satellite Data application: Science, Research, Emergency Management
A. Francova (BG)
7. Integrated Land Consolidation Project in Village of Katunets, Lovech Region
K. Stoyanov (BG)

8. Hydrografic Education in Turkey and Latest Trend in the World
R. Alkan, N. Aykut (TR)

12.30 – 14.00 **Lunch**

14.00 – 15.30 **Papers and Discussions (III)**

PHOTOGRAMMETRY, CARTOGRAPHY, CADASTRE

Dr. Mark Wijingarde (NL), Assoc. Prof. Dr. Petar Penev (BG)

- 9 Modern Geospatial Methods and Technologies of BLOM GROUP
I. Panchev (BG)

10. Cartography and Analysis of Seismicity in Los Angeles Urban Area
B. Ranguelov, E. Spassov (BG)

11. First Applications of Cartographic and Surveying Products for the Statistical Purposes in Bulgaria During 1897
V. Kotseva (BG)
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12. Registration of the Objects of Public Infrastructure at the National Level and Ensuring Protection of Public Infrastructure
A. Mesner (SI)

13. Some Aspects of Land Use in Bulgaria.
G. Dochev, R. Kancheva, V. Pencheva (BG)

15.30 – 16.00 **Coffee Break**

16.00 – 17.30 – **Papers and Discussions (IV)**

SATELLITE SYSTEMS, GIS

Assoc. Prof. Dr. Keranka Vassileva (BG), Assoc. Prof. Dr. Penka Kastreva (BG)

14. Spring Behavior of Balkan Peninsula Permanent Stations from GPS Solutions.
K. Vassileva (BG)

15. An Algorithm for Orthodromic Distance and Course to Target point Calculation Using GPS Receiver Output Data
D. Dimitrov, M. Marinov (BG)

16. An Approximation of Geospherical Latitude in an Algorithm for Orthodromic Dist. & Course to Target Point Calculation Using GPS Receiver Output Data
D. Dimitrov, M. Marinov (BG)

- 18 Study of the Effect of Calculation Rounding on an Algorithm for Orthodromic Distance and Course to Target Point Calcul. Using GPS Receiver output Data
M. Marinov, D. Dimitrov (BG)

- 18 Application of Digital Elevation Model in Hydrology
P. Kastreva (BG)

19. Integrating GIS of Soil Resources in Soil Water Movement and Agricultural Crops Productivity Modelling.
B. Kolev (BG)

20.00 Welcome Cocktail, “Ciel Bleu” Restaurant, Dobrudja Hotel, 17 floor

24 September 2010 (Friday)

09.00 – 10.30 Papers and Discussions (V)

**PROFESSIONAL PRACTICE
SPECIAL SESSION FOR YOUNG SPECIALISTS AND STUDENTS
SESSION IN BULGARIAN WITH TRANSLATION IN ENGLISH**

DR. Andrij Mesner (SI), Accos. Prof. Slaveyko Gospodinov (BG)

20. GEOLAND 2 – Intergrated GMESS Project on Land Civer, Land Use Biogeophysical Parameters and Climat Changes.
L. Milenova, V. Vasileva, I. Ivanov, R. Radkov (BG)
21. Law for Access to the Spacial Data - New Stage in the Development of the Information Policy of the Country
L. Turnalieva (BG)
22. Exploration of Deformation Components in a Network of Direct Measured and Reduced Chords
T. Slavova (BG)
23. Determination of Tentions by Block Determinated Earth's Crust Model
Y. Simeonova (BG)
24. Aerial Triangulation by Center of Projection of Images from Digital Camera ULTRACAM D
M. Massureva (BG)

10.30 – 11.00 Coffe Break

11.00 – 12.30 Papers and Discussions (VI)

**National Problems.
Joint Session with CLGE GA**

***Prof. Dr. Georgi Milev, Eng. Aleksander Lazarov,
Colonel Eng. Georgi Gladkov (BG)***

25. Geodesy, Cartography and Cadastre Agency -2010
A. Lazarov (BG)
26. Activities of the Military Geographical Office
G. Gladkov (BG)
27. Problems of the Temporary Geodetic Education in Bulgaria.
S. Gospodinov (BG)

POSTERS

28. Two Seasons Velocity Analysis of GPS Data Stations from GPS Solutions
K.Vasileva (BG)
29. Creating of Local Geoids by Using of Optimized Point-Masses Models
S. Avdev (BG), C Tzankov (BG)
30. Interdisciplinary Application of Digitized Astronomical Data in the Field of Geosciences
Y Chapanov (BG), J. Vondrak, D.Gambis (CZ), C.Ron, V. Stefka(CZ)
31. Transformation Model in Contemporary Terrestrial Coordinate System
M. Atanasova (BG)
32. Producing GIS - Aided real Estate Valuation Maps
S. Doner, R. M. Alkan (TR)
33. PHOTOMOD 5.0, Precision, Quality and Productivity
K. Chucheva (BG)
34. A Study on Earthquake Production Potential Caused by Dams in Gumushane Province, Turkey
T. Bayrak (TR) , S. Uzturk (TR), A. Maltas(TR)
35. NABUCO Pipeline Turkish Section GPS Working.
A. F. Ozten (TR)
36. Mapping of the Structural Elements of the Relief
Tz. Petrov, M. Mitev (BG)
37. Cartographic Modeling and Analysis of Morphometric Parameters of the Relief of Muglish Drainage System
M. Mitev, Tz. Petrov (BG)

12.30 – 14.00 Lunch

14.00 – 17.30, 25.09.2010 CLGE GENERAL ASSEMBLY (FOR CLGE GA DELEGATE)

UNION OF SURVEYORS AND LAND MANAGERS IN BULGARIA (USLMB)

1000 Sofia, 108 Rakovski Str.

Fax (02) 987 93 60, 986 16 19, Tel. (02) 987-58-52, 986 13 57,

E-mail: geodesy_union@fnts-bg.org, Web-site: <http://geodesy.fnts-bg.org>