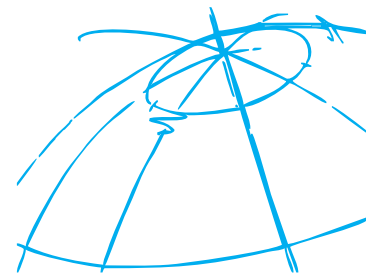




Albena, 2012

4th International Conference on Cartography and GIS

Albena, Bulgaria, 18–22 June 2012



The 4th International Conference on Cartography and GIS was held from 18 to 22 June, 2012 in summer resort of Bulgaria, Albena – the pearl of Bulgarian coast. The conference was organized by the Bulgarian Cartographic Association (BCA), International Cartographic Association (ICA) and the University of Architecture, Civil Engineering and Geodesy (UACEG) from

France, Hong Kong, Hungary, Indonesia, Italy, Kosovo, Lithuania, Macedonia FYR, Malaysia, Netherlands, Oman, Rumania, Russia, Serbia, Slovakia, Slovenia, Spain, Switzerland, Turkey, UAE and USA.

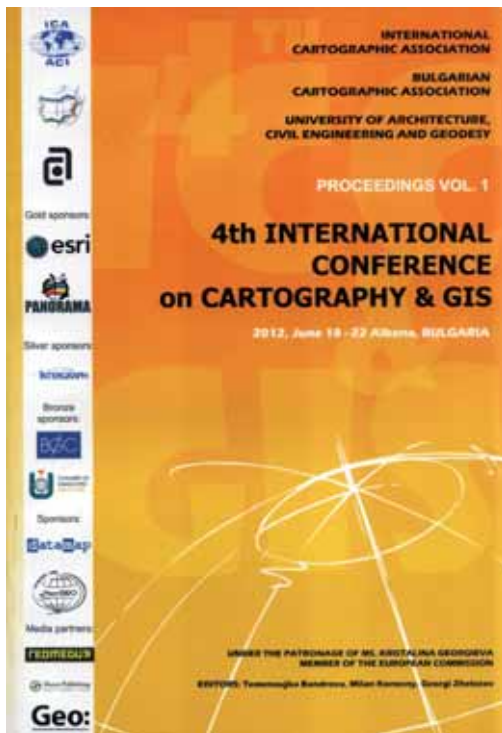
The conference was opened by the speech of the Rector of the University of Architecture, Civil Engineering and Geodesy Prof. Krasimir Petrov, who welcomed the participants and wished them a fruitful and successful work. The participants were addressed by the president of ICA Prof. Georg Gartner, the past President of ICA, Prof. Milan Konecny, His Excellency Mr. Paul Vatssek, Czech Ambassador to Bulgaria, Mr. Constantine Daradanov, Honorary Consul of Denmark (EU Presidency at the moment), Mr. Paul Hardy, on behalf of all sponsors. Greetings were received by Deputy Minister of Regional Development Mr. Nikolay Nankov, the Chairman of Chamber of Surveying Engineers Engineer Dipl. Eng. Angel Yanakiev.

The support of ICA was impressive. This conference brought together: Prof. Georg Gartner – Austria, President of ICA, Prof. Laszlo Zentai – Hungary, Secretary General of ICA, Prof. Paulo Márcio Leal de Menezes – Brazil, ICA Vice-President, Prof. Milan Konecny – Czech Republic, ICA past President, Chair of the ICA Commission on Cartography and Early Warning and Crises Management, Prof. Miljenko Lapaine – Croatia, Chair of the ICA Commission on Map Projections, Prof. Jose Jesus Reyes Nunez – Hungary, Chair of the ICA Commission on Cartography and Children, Prof. Philippe De Maeyer – Belgium, Chair of the ICA Commission on Management and Economics of Map Production, and Prof. Qingyun Du – China, Chair of the

ICA Commission on Theoretical Cartography. Three of the Commissions held their annual meetings during the conference, which took important decisions about their future.

100 reports, including 10 posters covered the conference themes. 2 Volumes of Proceedings have been published and they are sent for reference system of ICI Web of Science. The presented papers were previously reviewed by the International Organizing Committee. It should be noted the 8 keynote presentations. They showed world high quality level of development of science and practice:

1. Mr. Andrei Zheleznyakov from KB Panorama, Russia presented a keynote report entitled: *Experience in the Implementation of Mapping Projects*
2. Prof. Georg Gartner, ICA president gave a keynote speech on a theme: *Modern Cartography and the Role of the International Cartographic Association*
3. Mr. Paul Hardy from ESRI presented a keynote report entitled: *Multi-scale cartography: maps, tools and models*
4. Mr. Claudio Mingrino from Intergraph gave a keynote speech on a theme: *Managing Risk from Landslides to Tunnelling: High-Precision Environmental and Infrastructure Monitoring*
5. Prof. Hui Lin from Hong Kong presented a keynote report entitled: *Virtual Geographic Environments: Feeling it in Person and Knowing it beyond Reality*
6. Prof. Deren Li from China gave a keynote speech on a theme: *Conceptualizing the Chinese National Disaster*



Sofia, Bulgaria. The patron of the conference was Mrs. Kristalina Georgieva, Bulgarian EU commissioner, whose support was crucial for maintaining a high European level and attracting participants from around the world.

150 participants from 33 countries from all continents of the world participated in the Conference: Australia, Austria, Belgium, Brazil, Bulgaria, Czech Republic, China, Croatia, Great Britain, Greece, Denmark, Egypt,

4. međunarodna konferencija o kartografiji i GIS-u

Albena, Bugarska, 18.–22. lipnja 2012.



Četvrta međunarodna konferencija o kartografiji i GIS-u održana je od 18. do 22. lipnja 2012. u ljetnom odmaralištu u Albeni – biseru bugarske obale. Konferenciju su organizirali Bugarsko kartografsko društvo (Bulgarian Cartographic Association – BCA), Međunarodno kartografsko društvo (International Cartographic Association – ICA) i Sveučilište arhitekture, građevinarstva i geodezije (University of Architecture, Civil Engineering and Geodesy – UACEG) iz Sofije (Bugarska). Konferencija je održana pod pokroviteljstvom gospođe Kristaline Georgijeve, bugarske povjerenice Europske unije, čija je podrška bila ključna za održavanje visoke europske razine i privlačenja sudionika iz cijeloga svijeta.

Na konferenciji je sudjelovalo 150 osoba iz 33 zemlje sa svih kontinenta: Australija, Austrija, Belgija, Brazil, Bugarska, Češka, Danska, Egipat, Francuska, Grčka, Hong Kong, Hrvatska, Indonezija, Italija, Kina, Kosovo, Litva, Mađarska, Makedonija, Malezija, Nizozemska, Oman, Rumunjska, Rusija, Sjedinjene Američke Države, Slovačka, Slovenija, Srbija, Španjolska, Švicarska, Turska, Ujedinjeni Arapski Emirati i Velika Britanija.

Konferencija je otvorena govorom rektora Sveučilišta arhitekture, građevinarstva i geodezije prof. Krasimira Petrova, koji je pozdravio sudionike i poželio im plodan i uspješan rad. Sudionicima su se obratili i predsjednik ICA-e prof. Georg Gartner, prethodni predsjednik ICA-e prof. Milan Konecny, Paul Vatsek, češki veleposlanik u Bugarskoj, Constantine Daradanov, počasni konzul Danske (trenutno predsjedavajuće države Europskom unijom) te Paul Hardy u ime svih sponzora. Nazočne su pozdravili zamjenik ministra regionalnog razvoja

Nikolay Nankov i predsjednik Komore inženjera Angel Yanakiev, dipl. ing.

Podrška ICA-e bila je impresivna. Konferencija je na jednom mjestu okupila sljedeće pojedince: prof. Georg Gartner – Austrija, predsjednik ICA-e, prof. Laszlo Zentai – Mađarska, glavni tajnik ICA-e, prof. Paulo Márcio Leal de Menezes – Brazil, podpredsjednik ICA-e, prof. Milan Konecny – Češka, prijašnji predsjednik ICA-e, predsjednik Povjerenstva ICA-e za kartografiju i rano upozoravanje i upravljanje kriznim situacijama, prof. Miljenko Lapaine – Hrvatska, predsjednik Povjerenstva ICA-e za kartografske projekcije, prof. Jose Jesus Reyes Nunez – Mađarska, predsjednik Povjerenstva ICA-e za kartografiju i djecu, prof. Philippe De Maeyer – Belgija, predsjednik Povjerenstva ICA-e za upravljanje proizvodnjom i ekonomiju karata te prof. Qingyun Du – Kina, predsjednik Povjerenstva ICA-e za teorijsku kartografiju. Tri povjerenstva održala su svoje redovite godišnje sastanke za vrijeme konferencije u kojima su donesene važne odluke o njihovom budućem radu.

Teme konferencije bile su obuhvaćene u 100 referata, uključujući 10 postera. Izdana su dva sveska knjige sažetaka i poslana su u referalni sustav ICI Web of Science. Prikazane radove prethodno je recenzirao Međunarodni organizacijski odbor. Valja spomenuti osam pozvanih predavanja koja su pokazala visoku razinu razvoja znanosti i prakse:

1. Andrei Zheleznyakov iz KB Panorama, Rusija održao je pozvano predavanje *Experience in the Implementation of Mapping Projects*
2. Prof. Georg Gartner, predsjednik ICA-e održao je pozvano predavanje na temu *Modern Cartography*

and the Role of the International Cartographic Association

3. Paul Hardy iz ESRI-ja održao je pozvano predavanje *Multi-scale cartography: maps, tools and models*
4. Claudio Mingrino iz Intergrapha održao je pozvano predavanje na temu *Managing Risk from Landslides to Tunneling: High-Precision Environmental and Infrastructure Monitoring*
5. Prof. Hui Lin iz Hong Konga održao je pozvano predavanje *Virtual Geographic Environments: Feeling it in Person and Knowing it beyond Reality*
6. Prof. Deren Li iz Kine održao je pozvano predavanje *Conceptualizing the Chinese National Disaster*
7. prof. Victor P. Savinykh, ruski kozmonaut održao je pozvano predavanje *Development of the Dynamic Mapping Methods of the Northern Territories Based on Satellite Images*

Jedna od privlačnosti konferencije bilo je i predstavljanje nove knjige Davida Wortleyja iz Velike Britanije: *Gadgets to God, Reflections on our Changing Relationship with Technology*.

Tijekom konferencije prof. Milan Konecny održao je dvodnevni Seminar o ranom upozoravanju i upravljanju kriznim situacijama pod pokroviteljstvom Paula Vaceka, veleposlanika Češke u Bugarskoj. Sveučilište Masaryk iz Brna u Češkoj bilo je suorganizator toga seminara.

Odmaralište u Albeni smješteno je 32 km sjeverno od Varne i samo 12 km jugozapadno od Balčika na dugom pješčanom prostoru u otvorenom sjevernom dijelu varnskog zaljeva. S gradnjom hotela započelo se 1968. godine, što Albeni čini jednim od najmodernijih gradova za odmor



Participants of the 4th International Conference on Cartography and GIS
 Sudionici Četvrte međunarodne konferencije o kartografiji i GIS-u

7. Prof. Victor P. Savinykh, Russian cosmonaut presented a keynote speech entitled: *Development of the Dynamic Mapping Methods of the Northern Territories Based on Satellite Images*
8. One of the attractions of the conference was the presentation of the new book written by David Wortley from Great Britain: *Gadgets to God, Reflections on our Changing Relationship with Technology*.

During the conference, two-day Seminar on early warning and crises management was organized by Prof. Milan Konecny with the auspices of His Excellency Mr. Paul Vacek, Ambassador of the Czech Republic to Bulgaria. Co-organizer was Masaryk University, Brno, Czech Republic.

The resort of Albena is situated 32 km north of Varna and just 12 km south-west of Balchik on a long sand stretch in the open northern part of Varna Bay. The resort's construction was started in 1968, which makes it one of the most modern holiday cities

along the Bulgarian coast. The complex lies beneath a relatively high hill and is given particular charm by the near-by forest of Baltata, a part of which is declared a protected area. The latter is also called Batova Gora (Batova Forest) after the Batova River, in the valley of which it grows. The Albena's architecture resembles one of Walter Gropius' urban models as most of the hotels have a terraced structure aimed at providing as much sun as possible in summer days. To the north the coast is steep, featuring yellow sandstone and limestone typical of the area. It is in fact this stone slope that was the main source of construction material for the resort.

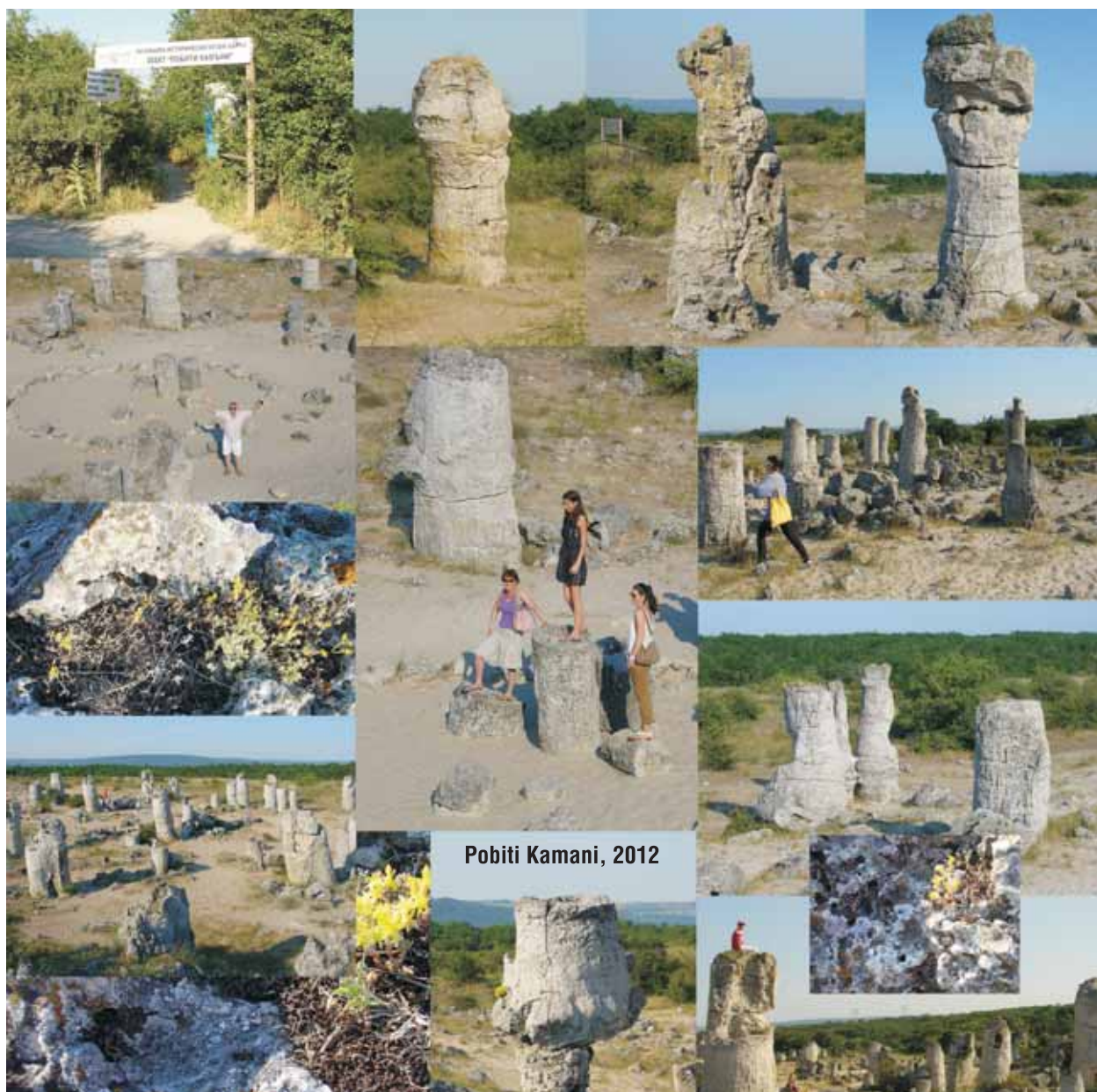
Several social events have been organized:

- The participants were welcomed by two children folklore groups: children school for folklore and folk dancing ensemble Balik from Balchik. Traditionally, the children from local schools are invited to show foreign participants beauty

and magnetism of Bulgarian folklore.

- The Welcome reception was sponsored by the major sponsors of the conference: ESRI and KB Panorama.
- Gala evening was attended by over 100 participants. Rich folklore program, together with other modern dance entertained the participants.
- Albena Ltd. gave the participants one hour of chamber music quartet from Varna. The performance was extremely high, and satisfies the most discriminating tastes.
- After closing of the conference participants enjoyed a short trip entitled Back to the Past. We visited the Archaeological Museum in Varna, Stone Forest and Aladzha monastery with the light show depicting the history of the monasteries in the Bulgarian context.

Temenoujka Bandrova ■



uzduž bugarske obale. Kompleks se nalazi pod relativno visokim brijegom, a poseban šarm pridaje mu bliska šuma Baltata, čiji je dio proglašen zaštićenim područjem. Ta se šuma naziva Batova Gora (Batova šuma) po rijeci Batovi, koja teče dolinom. Arhitektura Albene podsjeća na modele grada Waltera Gropiusa jer većina hotela ima terasastu strukturu koja omogućuje više sunca u ljetnim danima. Obala je strma prema sjeveru i sadrži žuti pješčenjak vapnenac tipičan za to područje. Upravo je taj kameni obronak bio glavni građevinski materijal za odmarališta.

U sklopu konferencije organizirano je i nekoliko društvenih događanja:

- Sudionike su pozdravile dvije dječje folklorne skupine: dječja škola za folklor i folklorni plesачki ansamble Balik iz Balčika. Djecu iz mjesnih škola tradicionalno se poziva da stranim posjetiteljima pokažu ljepote i privlačnost bugarskog folklor.
- Domjenak dobrodošlice podržali su glavni sponzori konferencije: ESRI i KB Panorama.
- Gala večeri prisustvovalo je više od 100 osoba. Gosti su se zabavljali

uz bogat folklorni program i moderne plesove.

- Albena Ltd. poklonila je sudionicima koncert komorne glazbe koji je izveo kvartet iz Varne. Njihov je nastup bio vrlo ugodan i zadovoljio čak i najzahtjevnije.
- Nakon zatvaranja konferencije sudionici su uživali u poludnevnom izletu pod nazivom Povratak u prošlost. Posjetili smo Arheološki muzej u Varni, Kamenu šumu i manastir Aladža, gdje smo pogledali film o bugarskoj povijesti.

Temenoujka Bandrova ■