

7th International Conference on Cartography and GIS

Sozopol, 18-23 June 2018.

Sozopol is an ancient seaside town located 35 km south of Burgas, on the southern coast of the Black Sea. It is nowadays one of the main summer resorts in Bulgaria, famous for its festival of art and film. The most popular time of the year is summer season, ranging from May to September, because tourists from all over the world come to enjoy sunshine, sandy beaches, history and culture, food and atmosphere of the colourful place.

The 7th International Conference on Cartography and GIS was held in Sozopol, 18-23 June 2018. The conference was organized by the Bulgarian Cartographic Society, the International Cartographic Association (ICA) and the University of Architecture, Civil Engineering and Geodesy from Sofia, while the co-organizers were

the Military Geographic Service and the Red Cross. Chair of the International Organizational Committee was Prof. Milan Konečný, former president of ICA, and the chair of the Local Organizing Committee was Prof. Temenoujka Bandrova, President of the Bulgarian Cartographic Association.

At the opening ceremony, participants were welcomed by representatives of the Bulgarian Parliament, the Ministry of Regional Development and Public Works, the Ministry of Defence, the Agency of Geodesy, Cartography and Cadastre, the University of Architecture, Civil Engineering and Geodesy, and the Mayor of Sozopol, the Chairman of the International Organizational Committee and the Czech Ambassador in Bulgaria. After the greeting speeches, a children's folklore group performed several Bulgarian dances and songs. Five invited lectures were held afterwards. The main speakers were E. Lynn Utery, Changlin Wang, Wolfgang Kainz, Nick Land and Filip Kaderabek.

Due to the large number of participants, lectures were held in two halls concurrently in the Flagman hotel throughout the week. Several posters were also on display. The conference proceedings contain 109 papers and 986 pages. I would like to point out that the proceedings were published three weeks before the beginning of the conference!

A seminar was organized within the scope of the conference in cooperation with the EU on Early Warning and Disaster/Crisis Management. This seminar was also organized in cooperation with Masaryk University in Brno, under the auspices of Czech Ambassador to Bulgaria. A special group of lectures was devoted to Digital Earth. Meetings of three ICA commissions were also held: the Commission on Cartography on Early

Warning and Crisis Management, the Commission on Map Projections and the Commission on Cartography and Children. Serco Italia S.p.A. led a course on using satellite data from Copernicus for applications in GIS and cartography.

A gala dinner was held in a pleasant atmosphere and with a performance of the folklore ensemble at a restaurant situated at the coast of the Black Sea.

At the closing ceremony, we learned that 192 participants from 31 countries participated in the conference. Several awards were also given. The Best Paper Award for *GIS-based landslide susceptibility modelling for the territory of the Republic of Macedonia* was awarded to Dr. Ivica Milevski. The 500 CHF prize was sponsored by Remote Sensing.

Two awards were awarded to the best young scientists (Young Scientist Award – the best paper presented by a scientist under 35). The awards were won by Paulina Raeva for the paper on *UAV photogrammetry techniques for precision agriculture* and Matjaž Štanfel for the paper *Modelling of risk assessment support system for outdoor recreation in Croatia*.

Two best papers from the *Special Session Digital Earth for Smart Solutions* are recommended for publication with a regular review in the *International Journal of Digital Earth (IJDE)*. These are Jie Shen: *Study on the Spatial Heterogeneity of the POI Quality in OpenStreetMap* and Alexey Noskov: *Computer Vision Approaches for Big Geo-Spatial Data: Quality Assessment of Raster Tiled Web Maps for Smart City Solutions*.

Let us also mention that at the meeting of the Commission on Map Projections, the ICA scholarship was awarded to Krisztián Kerkovits, a young colleague from Hungary. The



7. međunarodna konferencija o kartografiji i GIS-u

Sozopol, 18-23 lipnja 2018

Sozopol je drevni primorski gradić smješten 35 km južno od Burgasa na južnoj obali Crnoga mora. Danas je jedno od glavnih ljetovališta u Bugarskoj, poznato po festivalu umjetnosti i filma. Najpopularnije doba godine su ljetni mjeseci, u rasponu od svibnja do rujna, jer turisti iz cijelog svijeta dolaze uživati u suncu, pješčanim plažama, povijesti i kulturi, hrani i atmosferi šarenog mjesta.

U Sozopolu je održana od 18. do 23. lipnja 2018. sedma međunarodna konferencija o kartografiji i GIS-u. Organizatori te konferencije bili su Bugarsko kartografsko društvo, Međunarodno kartografsko društvo i Sveučilište za arhitekturu, građevinarstvo i geodeziju iz Sofije, a suorganizatori Vojna geografska služba i Crveni križ. Na čelu Međunarodnog organizacijskog odbora bio je prof. Milan Konečny, bivši predsjednik ICA-e, a na čelu Lokalnog organizacijskog odbora bila je prof. Temenoujka Bandrova, predsjednica Bugarskoga kartografskog društva.

Na svečanom otvaranju konferencije pozdravne riječi uputili su predstavnici bugarskog parlamenta, Ministarstva regionalnog razvoja i javnih radova, Ministarstva obrane, Agencije za geodeziju, kartografiju i katastar, Sveučilišta za arhitekturu, građevinarstvo i geodeziju, zatim gradonačelnik Sozopola, predsjednik Međunarodnog organizacijskog odbora i češki ambasador u Bugarskoj. Nakon pozdravnih govora nastupila je dječja folklorna grupa izvevši nekoliko bugarskih plesova i pjesama. Zatim je održano pet pozvanih predavanja. Glavni govornici bili su E. Lynn Usery, Changlin Wang, Wolfgang Kainz, Nick Land i Filip Kaderabek.

Zbog velikog broja sudionika, tijekom cijelog tjedna održavana su u hotelu Flagman predavanja paralelno u dvije grupe. Prikazano je i nekoliko postera. Zbornik koji je objavljen u digitalnom zapisu sadrži 109 radova na 986 stranica. Posebno ističem da je taj zbornik objavljen tri tjedna prije početka konferencije!

U sklopu konferencije održan je i Seminar u suradnji s EU-om o ranom upozoravanju i upravljanju katastrofama i krizama. Taj je seminar organiziran u suradnji s Masarykovim sveučilištem u Brnu, a pod pokroviteljstvom češkog ambasadora u Bugarskoj. Posebna grupa predavanja bila je posvećena digitalnoj Zemlji (*Digital Earth*). Održani su i sastanci triju povjerenstava ICA-e: Povjerenstva o kartografiji za rano upozoravanje i upravljanje kriznim situacijama, Povjerenstva za kartografske projekcije i Povjerenstva za kartografiju i djecu. Serco Italia S.p.A. održao je tečaj o upotrebi satelitskih podataka Copernicusa za primjene u GIS-u i kartografiji.

Svečana večera u restoranu uz obalu Crnoga mora održana je u ugodnoj atmosferi i uz nezaobilazni nastup folklornog ansambla.

Na svečanom zatvaranju konferencije saznali smo da su na konferenciji bila 192 sudionika iz 31 zemlje. Podijeljeno je i nekoliko nagrada.





scholarship includes a diploma and 250 €. The diploma reads: “ICA scholarship presented to Krisztián Kerkovits in recognition of his scientific commitment and to stimulate him to direct his career towards fundamental studies in the discipline of Cartography and GIScience”.

A one-day tour was organized on Saturday, June 23, 2018. We first visited the Ropotamo River, which runs through the natural reserve of Ropotamo. While cruising on the quiet river, we were able to view the surrounding rich vegetation. After that we went to Begliktash. It is a group of rocks of different sizes and shapes created by natural means. It is one of the largest

prehistoric megalithic sanctuaries in Bulgaria. We spent the remaining time in the castle "In love with the wind" in Ravadinovo, where looked at the surroundings of the castle (www.zamaka.bg) after lunch. Construction of the castle started in 1996 and it features a combination of different styles, materials and decoration. Its owner and author is a Bulgarian multimillionaire. Some visitors experience the castle as a mystical and romantic place, while others compare it to Disneyland. The castle stands out in the middle of an agricultural field, not far from the highway. Its architectural design is unusual, a bit extravagant and exotic

for this country, in a word – kitsch. Still, one must acknowledge the rich vegetation consisting of several thousand plants, maintained impeccably. There is also a small zoo and several white and black swans which enjoy the large artificial lake together with ducks.

Finally, I would like to congratulate the organizers of the conference, especially Prof. Dr. Temenoujka Bandrova and her team. Although the location of the next, 8th International Conference on Cartography and GIS is not known yet, I am sure it will be another in a series of very successful cartographic events organized by our colleagues in Bulgaria.

Miljenko Lapaine ■



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Dobitnik nagrade za najbolji rad (*A Best Paper Award*) *GIS-based landslide susceptibility modelling for the territory of the Republic of Macedonia* je dr. Ivica Milevski. Nagradu u iznosu od 500 CHF sponzorirao je Remote Sensing.

Dodijeljene su dvije nagrade najboljem mladom znanstveniku (*Young Scientist Award – the best paper presented by a scientist, under 35*). Dobitnici su Paulina Raeva za rad *UAV photogrammetry techniques for precision agriculture* i Matjaž Štanfel za rad *Modeling of risk assessment support system for outdoor recreation in Croatia*.

Dva najbolja rada iz skupine predavanja o digitalnoj Zemlji za pametna rješenja (*Special Session Digital Earth for Smart Solutions*) preporučena su za objavljivanje uz uobičajenu recenziju u časopisu *International Journal of Digital Earth (IJDE)*. To su Jie Shen: *Study on the Spatial Heterogeneity of the POI Quality in OpenStreetMap* i Alexey Noskov: *Computer Vision Approaches for Big Geo-Spatial Data: Quality Assessment of Raster Tiled Web Maps for Smart City Solutions*.

Spomenimo još da je na sastanku Povjerenstva za kartografske projekcije svečano uručena stipendija ICA-e

mladom kolegi iz Mađarske Krisztiánu Kerkovitsu. Riječ je o diplomi i novčanjoj pomoći u iznosu od 250 €. Na diplomi piše: priznanje za njegovu znanstvenu opredijeljenost i da ga potakne na usmjeravanje karijere prema temeljnim studijima na području kartografije i znanosti o geoinformacijama (*in recognition of his scientific commitment and stimulate him to direct his career toward fundamental studies in the discipline of Cartography and GIScience*).

U subotu, 23. lipnja 2018. bio je organiziran izlet u okolicu Sozopola. Najprije smo posjetili rijeku Ropotamo, koja prolazi prirodnim rezervatom Ropotamo. Vožnja brodom po mirnoj rijeci omogućila nam je upoznavanje s okolnom bogatom vegetacijom. Nakon toga posjetili smo Begliktash. To je skupina stijena različitih veličina i oblika nastalih prirodnim putem. To je jedno od najvećih prethistorijskih megalitskih svetišta na teritoriju Bugarske. Najdulje smo se zadržali u dvorcu „U ljubavi s vjetrovima“ u Ravadinovu, gdje smo nakon ručka razgledali okolicu toga dvorca (www.zamaka.bg). Dvorac, kojega je gradnja počela 1996.

godine, kombinacija je raznih stilova i materijala za gradnju i uređenje. Vlasnik i autor je bugarski multimilioner. Neki posjetitelji doživljavaju taj dvorac kao mistično i romantično mjesto, dok je on za druge najbliži Disneylandu. Dvorac bizarno stoji usred poljoprivrednog polja, nedaleko autoceste. Njegov arhitektonski dizajn neobičan je, malo ekstravagantan i egzotičan za ovu zemlju, jednom riječju kič. Ipak, mora se priznati bogatstvo vegetacije koje čini nekoliko tisuća biljaka koje su besprijekorno održavane. Tu je i mali zoološki vrt te nekoliko bijelih i crnih labuda koji zajedno s patkama uživaju na velikom umjetnom jezeru.

Na kraju treba čestitati organizatorima konferencije, posebno prof. dr. Temenoujki Bandrovoj i njezinu timu na odličnoj organizaciji. Iako se još ne zna mjesto, siguran sam da će i sljedeća 8. međunarodna konferencija o kartografiji i GIS-u biti još jedno u nizu vrlo uspješnih kartografskih događanja koje organiziraju naši kolege u Bugarskoj.

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