

50. GEODETSKI DAN

Digitalna preobrazba za trajnostne odločitve v prostoru

Velenje
22.–23. september 2022

50th SLOVENIAN LAND SURVEYING DAY

Digital transformation for sustainable spatial decisions

Velenje
September 22–23, 2022

PROGRAM / PROGRAMME

Četrtek, 22. 9. 2022 / Thursday, September 22, 2022

Program posveta / Programme of the symposium

7.30–8.30 Registracija / Registration

8.30–9.00 Uvodni pozdravi / Welcome speeches

mag. Gregor Klemenčič, predsednik Zveze geodetov Slovenije / President of the Association of Surveyors of Slovenia

Uroš Brežan, minister za okolje in prostor Republike Slovenije / Minister of the Environment and Spatial Planning of the Republic of Slovenia

Tomaž Petek, generalni direktor Geodetske uprave republike Slovenije / Director-General of the Surveying and Mapping Authority of the Republic of Slovenia

Peter Dermol, župan Mestne občine Velenje / Mayor of the Municipality of Velenje

dr. Anka Lisec, predstojnica Oddelka za geodezijo, Fakultete za gradbeništvo in geodezijo Univerze v Ljubljani / Head of Department of Geodetic Engineering, UL, Faculty of Civil and Geodetic Engineering

Mitja Domajnko, predsednik Celjskega geodetskega društva / President of the Celje Society of Surveyors

9.00–10.20 **VABLJENA PLENARNA PREDAVANJA I / Invited Plenary Lectures I**

Tomaž Petek

9.00 **Kartografija v času digitalne transformacije**

Cartography in the Age of Digital Transformation

Tim Trainor (predsednik Mednarodne kartografske zveze - ICA / President of the International Cartographic Association - ICA)

9.25 **Predstavitve krivulje trenda razvoja geoprostorskih tehnologij**

Introduction to Geospatial Technology Hype Cycle

dr. Joep Cromptvoets (generalni sekretar EuroSDR / Secretary General EuroSDR)

9.50 **Uradni geoprostorski podatki na zemljevidu v središču Evrope**

Official Geospatial Data on the Map in the Heart of Europe

Léa Bodossian (Generalna sekretarka in izvršna direktorica EuroGeographics / Secretary General and Executive Director of EuroGeographic)

10.20–10.30 Odmor, predstavitev razstavljalcev /

Coffee break, presentations of exhibitors

10.30–12.10 **PREDAVANJA II / LECTURES II**
dr. Tilen Urbančič

10.30 **Obdelava LiDAR oblakov točk z uporabo umetne inteligence**
Use of Artificial Intelligence for LiDAR Point Cloud Processing
Nejc Dougan (*Flaj d.o.o.*)

10.50 **Uporaba satelitskih posnetkov Sentinel-2 in Landsat za prostorsko-časovne analize**
Use of Sentinel-2 and Landsat Satellite Images for Spatio-temporal Analyses
Liza Stančič (*Znanstvenoraziskovalni center Slovenske akademije znanosti in umetnosti / Research Centre of the Slovenian Academy of Sciences and Arts*)
dr. Žiga Kokalj (*Znanstvenoraziskovalni center Slovenske akademije znanosti in umetnosti / Research Centre of the Slovenian Academy of Sciences and Arts*)
dr. Krištof Oštir (*UL, Fakulteta za gradbeništvo in geodezijo / University of Ljubljana, Faculty of Civil and Geodetic Engineering*)

11.10 **Uporaba podatkov sistema Sentinel-1 za spremljanje trendov pomikov objektov na slovenskih avtocestah**
Using Sentinel-1 System for Monitoring Displacement Trends on Slovenian Highways
asist. Doron Hekič (*UL, Fakulteta za gradbeništvo in geodezijo / University of Ljubljana, Faculty of Civil and Geodetic Engineering; Zavod za gradbeništvo Slovenije / Slovenian National Building and Civil Engineering Institute*)
dr. Krištof Oštir (*UL, Fakulteta za gradbeništvo in geodezijo / University of Ljubljana, Faculty of Civil and Geodetic Engineering*)
asist. dr. Andrej Anžlin (*Zavod za gradbeništvo Slovenije / Slovenian National Building and Civil Engineering Institute*)

11.30 **Kombinirane kinematične geodetske meritve z visokofrekvenčnim zajemom podatkov**
Combined Kinematic Geodetic Measurements with High-frequency Data Acquisition
Gasper Štebe (*UL, Fakulteta za gradbeništvo in geodezijo / University of Ljubljana, Faculty of Civil and Geodetic Engineering*)
dr. Peter Krapež (*UL, Fakulteta za elektrotehniko / University of Ljubljana, Faculty of Electrical Engineering*)
dr. Janez Podobnik (*UL, Fakulteta za elektrotehniko / University of Ljubljana, Faculty of Electrical Engineering*)
dr. Dušan Kogoj (*UL, Fakulteta za gradbeništvo in geodezijo / University of Ljubljana, Faculty of Civil and Geodetic Engineering*)

11.50 **Uporaba hiperspektralnega daljinskega zaznavanja za monitoring tal**
Hyperspectral Remote Sensing for Soil Monitoring
Alen Mangafič (*Geodetski inštitut Slovenije / Geodetic Institute of Slovenia*)
dr. Mitja Kolar (*UL, Fakulteta za kemijo in kemijsko tehnologijo / University of Ljubljana, Faculty of Chemistry and Chemical technology*)
dr. Marko Zupan (*UL, Biotehniška fakulteta / University of Ljubljana, Biotechnical Faculty*)
dr. Krištof Oštir (*UL, Fakulteta za gradbeništvo in geodezijo / University of Ljubljana, Faculty of Civil and Geodetic Engineering*)

12.10–13.10 **Odmor, predstavitev razstavljalavcev /**
Coffee break, presentations of exhibitors

13.10-14.30 **PREDAVANJA III / LECTURES III**

mag. Tomaž Černe

13.10 **Metoda integracije geometričnih podatkov prostorskih načrtov in zemljiškega katastra**
Geometric Data Integration of Spatial Plans and Land Cadastre

dr. Marjan Čeh (UL, Fakulteta za gradbeništvo in geodezijo / University of Ljubljana, Faculty of Civil and Geodetic Engineering)

Lucija Krajnc (Geodetski inštitut Slovenije / Geodetic Institute of Slovenia)

dr. Mojca Foški (UL, Fakulteta za gradbeništvo in geodezijo / University of Ljubljana, Faculty of Civil and Geodetic Engineering)

Bernarda Berden (Geodetska uprava RS / Surveying and Mapping Authority of the Republic of Slovenia)

13.30 **Izzivi pri pripravi prostorskih izvedbenih aktov po zaključku lokacijske izboljšave zemljiškokatastrskega prikaza**

Challenges Related to the Preparation of Spatial Implementation Acts after the Completion of Positional Accuracy Improvement of Land Cadastre Index Map

Leon Kobetič (Locus d.o.o. / Locus d.o.o.)

Mihael Fonda (Ministrstvo za okolje in prostor / Ministry of the Environment and Spatial Planning of the Republic of Slovenia)

13.50 **Vloga geodetskih podatkov v konceptu GeoBIM in obratno**

The Role of Geodetic Data in the GeoBIM Concept and Vice Versa

dr. Dalibor Radovan (Geodetski inštitut Slovenije / Geodetic Institute of Slovenia)

mag. Vasja Bric (Geodetski inštitut Slovenije / Geodetic Institute of Slovenia)

mag. Katja Oven (Geodetski inštitut Slovenije / Geodetic Institute of Slovenia)

Miran Janežič (Geodetski inštitut Slovenije / Geodetic Institute of Slovenia)

dr. Jernej Tekavec (UL, Fakulteta za gradbeništvo in geodezijo / University of Ljubljana, Faculty of Civil and Geodetic Engineering)

dr. Anka Lisec (UL, Fakulteta za gradbeništvo in geodezijo / University of Ljubljana, Faculty of Civil and Geodetic Engineering)

14.10 **Nove tehnologije in Geodetska uprava Republike Slovenije**
New Technologies and the Surveying and Mapping Authority of the Republic of Slovenia

dr. Andreja Švab Lenarčič (Geodetska uprava RS / Surveying and Mapping Authority of the Republic of Slovenia)

dr. Joc Triglav (Geodetska uprava RS / Surveying and Mapping Authority of the Republic of Slovenia)

18.00 **Slavnostna akademija /**

Ceremonial Academy

Pozdravna govora / Welcome speeches

mag. Gregor Klemenčič, predsednik Zveze geodetov Slovenije / President of the Association of Surveyors of Slovenia

Pozdravni govor gostitelja / Welcome speech of the host

Borut Pahor, predsednik Republike Slovenije / President of the Republic of the Slovenia

Slavnostni govor / Ceremonial address

Tim Trainor, predsednik Mednarodne kartografske zveze - ICA / President of the International Cartographic Association - ICA

Podelitev priznanj Zveze geodetov Slovenije / Award Ceremony of the Association of Surveyors of Slovenia

Petek, 23. 9. 2022 / Friday, September 23, 2022

Program posveta / Programme of the symposium

9.00–11.00 **PREDAVANJA IV / LECTURES IV**
dr. Andreja Švab Lenarčič

- 9.00 **Digitalna preobrazba okolja in prostora v obdobju 2022—2029**
Digital Transformation of Environment and Space in the Period 2022–2029
***Tomaž Grilj** (Ministrstvo za okolje in prostor / Ministry of the Environment and Spatial Planning of the Republic of Slovenia)*
***Rok Klemenčič** (Ministrstvo za okolje in prostor / Ministry of the Environment and Spatial Planning of the Republic of Slovenia)*
*mag. **Erna Flogie Dolinar** (Geodetska uprava RS / Surveying and Mapping Authority of the Republic of Slovenia)*
- 9.20 **Novosti v katastru nepremičnin**
News in the Real Estate Cadastre
***Franc Ravnihar** (Geodetska uprava RS / Surveying and Mapping Authority of the Republic of Slovenia)*
*mag. **Emo Pogorelčnik** (Geodetska uprava RS / Surveying and Mapping Authority of the Republic of Slovenia)*
***Bernarda Berden** (Geodetska uprava RS / Surveying and Mapping Authority of the Republic of Slovenia)*
- 9.40 **Dejavniki, ki vplivajo na uspešnost mejne obravnave**
Factors Influencing the Success of Cadastral Boundary Settlement
*mag. **Peter Golob** (UL, Fakulteta za gradbeništvo in geodezijo / University of Ljubljana, Faculty of Civil and Geodetic Engineering)*
*dr. **Anka Lisec** (UL, Fakulteta za gradbeništvo in geodezijo / University of Ljubljana, Faculty of Civil and Geodetic Engineering)*
- 10.00 **Izzivi digitalne dobe pri dostopu do podatkov o cenah in vrednostih nepremičnin**
The Digital Age Challenges of Accessing Real Estate Prices and Appraisal Data
*mag. **Melita Ulbl** (Geodetska uprava RS / Surveying and Mapping Authority of the Republic of Slovenia)*
***Andraž Muhič** (Geodetska uprava RS / Surveying and Mapping Authority of the Republic of Slovenia)*
- 10.20 **Geokinematski model ozemlja Slovenije**
Geokinematic Model of Slovenian Territory
*dr. **Bojan Stopar** (UL, Fakulteta za gradbeništvo in geodezijo / University of Ljubljana, Faculty of Civil and Geodetic Engineering)*
*dr. **Božo Koler** (UL, Fakulteta za gradbeništvo in geodezijo / University of Ljubljana, Faculty of Civil and Geodetic Engineering)*
*dr. **Polona Pavlovčič Prešeren** (UL, Fakulteta za gradbeništvo in geodezijo / University of Ljubljana, Faculty of Civil and Geodetic Engineering)*
***Klemen Ritlop** (UL, Fakulteta za gradbeništvo in geodezijo / University of Ljubljana, Faculty of Civil and Geodetic Engineering)*
*dr. **Oskar Sterle** (UL, Fakulteta za gradbeništvo in geodezijo / University of Ljubljana, Faculty of Civil and Geodetic Engineering)*
*dr. **Tomaž Ambrožič** (UL, Fakulteta za gradbeništvo in geodezijo / University of Ljubljana, Faculty of Civil and Geodetic Engineering)*
*dr. **Mihaela Triglav Čekada** (Geodetski inštitut Slovenije / Geodetic Institute of Slovenia)*
***Sandi Berk** (Geodetska uprava RS / Surveying and Mapping Authority of the Republic of Slovenia)*
*mag. **Klemen Medved** (Geodetska uprava RS / Surveying and Mapping Authority of the Republic of Slovenia)*

