

# Civil Engineering

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## Subsection "Geomatics"

### SUBSECTION CHAIR

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Tech, Lithuania

**A. ELLMANN**, Dr., Tallinn  
University of Technology,  
Estonia

10.00–10.10

**OPENING SPEECH (FROM LATVIA AND BULGARIA)**

10.10–10.20

**REVIVING THE STATUS OF A FULL MEMBER OF THE NORDIC GEODETIC COMMISSION (NKG) IN THE DEVELOPMENT OF THE GEOMATICS INDUSTRY**

J. Kaminskis, Riga Technical University, Latvia

A. Celms, Latvia University of Life Sciences and Technologies, Latvia

G. Silabriedis, University of Latvia, Latvia

10.20–10.35

**MODERN EDUCATION AND PRACTICE IN MINING AND GEOMATICS IN BULGARIA**

A. Kamburov, University of Mining and Geology St. Ivan Rilski, Bulgaria

G. Gicheva, University of Mining and Geology St. Ivan Rilski, Bulgaria

H. Vasilev, University of Mining and Geology St. Ivan Rilski, Bulgaria

10.35–10.50

**OBVIOUS A FACTUAL ERROR. CURRENT PROBLEM OF CADASTER IN THE TERRITORY OF THE REPUBLIC OF BULGARIA**

M. Niyazi, Shumen University "Konstantin Preslavski", Bulgaria

K. Kirilova, Shumen University "Konstantin Preslavski", Bulgaria

K. Yanchev, Shumen University "Konstantin Preslavski", Bulgaria

P. Spasov, Shumen University "Konstantin Preslavski", Bulgaria

I. Ivanov, Shumen University "Konstantin Preslavski", Bulgaria

S. Gorov, Shumen University "Konstantin Preslavski", Bulgaria

10.50–11.05

**CITY PLANNING WITH ARCGIS CITYENGINE**

I. Korna, Riga Technical University, Latvia

R. Smirnovs, Riga Technical University, Latvia

M. Kalinka, Riga Technical University, Latvia

K. Gorovojs, Riga Technical University, Latvia

11.05–11.15

**MONITORING SYSTEMS IN THE HISTORICAL BUILDINGS**

K. Berezkova, Riga Technical University, Latvia

M. Kalinka, Riga Technical University, Latvia

11.15–11.25

**GIS SOLUTIONS FOR ROAD DISPLAY AND MANAGEMENT**

A. Egle, Riga Technical University, Latvia

M. Kalinka, Riga Technical University, Latvia

11.25–11.35

**EFFECTIVENESS OF SURVEYING METHODS FOR TOPOGRAPHICAL ELEMENTS**

R. Priverte, Riga Technical University, Latvia

J. Zvirgzds, Riga Technical University, Latvia

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11.35–11.45	<b>USE OF SENSOR TO OBTAIN THE GEOMETRY OF DIGITAL TWINS</b> D. Zagars, Riga Technical University, Latvia
11.45–11.55	<b>FOREST STAND VOLUME ESTIMATION BY SPECIES FROM SENTINEL-2 AND LIDAR DATA USING REGRESSION MODELS</b> G.Grube, Riga Technical University, Latvia
11.55–12.05	<b>DIGITAL ZENITH CAMERA VESTA AND VERTICAL DEFLECTION TEST SITE MEASUREMENT RESULTS</b> I. Varna, University of Latvia, Latvia A. Zarins, University of Latvia, Latvia A. Rubans, University of Latvia, Latvia
12.05–12.15	<b>BEHAVIOR OF GNSS STATIONS IN LATPOS PERMANENT NETWORK (2007–2017)</b> M. Normand, Riga Technical University, University of Latvia, Latvia J. Balodis, University of Latvia, Latvia
12.15–12.30	<b>LATVIAN-ESTONIAN HARMONIZATION PROJECT GEOREFACT</b> M. Znotina, Latvian Geospatial Information Agency, Latvia I. Liepins, Latvian Geospatial Information Agency, Latvia K. Kosenko, Latvian Geospatial Information Agency, Latvia
12.30	<b>DISCUSSION &amp; COFFEE BREAK</b>

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