



**RIGA TECHNICAL
UNIVERSITY**

64th International Scientific Conference
of Riga Technical University

**Friday,
20 October**

**6A Kipsalas Street,
auditorium 543,
on-site & online**

<https://rtucloud1.zoom.us/j/99309290915>

Civil Engineering

HEAD OF THE SECTION

Dr. sc. ing. **M. Vilnītis**, Riga
Technical University, Latvia

Subsection "Geomatics"

SUBSECTION CHAIR

Dr. sc. ing. **Jānis Kaminskis**,
Riga Technical University,
Latvia

SCIENTIFIC COMMITTEE

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of Mining and Geology St.
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Technical University, Latvia

Dr. sc. ing. **A. Celms**, Latvia
University of Life Sciences
and Technologies, Latvia

Dr. ing. **J. Sužiedelytė
Visockienė**, Vilnius Tech,
Lithuania

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

Language of the event – Latvian

10.00–10.10 OPENING SPEECH (FROM LATVIA)

10.10–10.20 ESTABLISHMENT OF A GROUP OR COMMITTEE OF NKG (NORDIC GEODETIC COMMISSION) LATVIAN THOUGHT MATES AND ITS POSSIBLE DEVELOPMENT
A. Celms, Latvia University of Life Sciences and Technologies, Latvia
J. Kaminskis, Riga Technical University, Latvia
G. Silabriedis, University of Latvia, Latvia

10.20–10.35 REGIONAL BENEFITS OF THE BALMARGRAV PROJECT AND DEVELOPMENT OF A COOPERATION NETWORK FOR A UNIFIED HEIGHT SYSTEM
J. Kaminskis, Riga Technical University, Latvia
L. Sulakova, Riga Technical University, Latvia

10.35–10.50 SETTING CONSTRUCTION AXES
K. Plavarajs, Riga Technical University, Latvia

10.50–11.05 PUBLISHING TOPOGRAPHIC INFORMATION OF HIGH DETAILED ELABORATION DATA TO CESIUM PLATFORM
S. Adamsone, Riga Technical University, Latvia

11.05–11.20 ADVANTAGES AND DISADVANTAGES OF SLAM LASER SCANNER AGAINST TSL LASER SCANNER IN SMALL AND BIG INDOOR SPACES
K. Auznieks, Riga Technical University, Latvia

11.20–11.35 QUASI-GEOID RIGA'20 COMPATIBILITY WITH THE CITY'S LOCAL GEODETIC NETWORK
J. Kucins, Riga Technical University, Latvia

11.35–11.50 MOBILE SCANNER AND LOCAL GEODETIC NETWORK
D. Sarovs, Riga Technical University, Latvia

11.50–12.05 REVIEW OF THE WORLD METHOD OF GEOMAGNETIC MEASUREMENT
A. Zjatkovs, Riga Technical University, Latvia

12.05–12.20 FUNCTIONALITY AND RELEVANCE OF SEXTANT IN THE 21ST CENTURY
K. Berzins, Riga Technical University, Latvia

12.20 DISCUSSIONS & NETWORKING