

# CONFERENCE PROGRAM



**The 12<sup>th</sup> International Conference on  
Engineering Graphics BALTGRAF 2013  
June 5-7, 2013, Rīga, Latvia**



**BALTGRAF 2013**  
June 5-7, Riga, Latvia

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**Wednesday, June 5, 2013**

**Early Bird Reception and Registration**

**Opening of the Exhibition 17:00**

**16:00**

**“Zanis Waldheims’ Geometrical Abstraction”**

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**“Žaņa Valdheima ģeometriskā abstrakcija”**

**19:00**

**RTU, Faculty of Civil Engineering**

**Azenes St 16/20 Hall**

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**IEGULDĪJUMS TAVĀ NĀKOTNĒ!**



**EIROPAS SAVIENĪBA**

Support provided by the European Community under national project

“Development of international cooperation projects and capacity in science and technology Riga Technical University”.

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**Conference Program**  
**The 12<sup>th</sup> International Conference on Engineering Graphics**  
**BALTGRAF 2013**

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**Thursday, June 6, 2013**  
**Faculty of Civil Engineering, Azenes St 16/20, Room 132**

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**Registration at the Reception Desk, Room 132** **8:00**

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**Opening Ceremony** **9:00**  
**BALTGRAF 2013 Chairman Modris DOBELIS**

**Welcome Speeches by:**  
**Dean of the Faculty of Civil Engineering Juris SMIRNOVS**

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**Plenary Session, Room 132 Session**  
**Chairman Modris DOBELIS**

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**Zanis Waldheims' Geometrical Art** **9:15**  
**Yves JEANSON**

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**Geometrical Aspects of Restitution and Revitalization**  
**of the Wooden Architectural Structures** **9:50**  
**Renata Anna GÓRSKA**

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**The Automated System for Learning of Innovative Course**  
**in Descriptive Geometry**  
**Vladimir VOLKOV, Olga ILYASOVA, Natalya KAYGORODSEVA** **10:10**

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**Conference Photo Session**  
**Coffee Break**  
**Room 136**



**10:30**  
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**12:00**

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**Thursday, June 6, 2013**  
**Faculty of Civil Engineering, Azenes St 16/20, Room 132**

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**Plenary Session, Room 132** **12:00**  
**Session Chairman Renata Anna GORSKA**

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**Digital Product Definition Data Practices**  
Tilmutė **PILKAITĖ**, Vidmantas **NENORTA**

**From Learning Outcomes to the Team of Advisers**  
Ants **SOON**, Aime **RUUS**

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**Architectural Form and Building Material of Suspension and Cable-Stayed Bridges – Visualization of Geometrical Structure**  
Jolanta **TOFIL**, Anita **PAWLAK-JAKUBOWSKA**

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**Interactive 3D Mechanical Design Software** **13:30**  
Nomeda **PUODZIUNIENE**, Vidmantas **NENORTA**

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**Lunch** **13:30 - 14:30**  
**Room 136**

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**Thursday, June 6, 2013,**  
**Faculty of Civil Engineering, Azenes St 16/20, Room 132**

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**Plenary Session, Room 132** **14:30**  
**Session Chairman Vidmantas NENORTA**

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**Effect of Augmented Reality Technology on Spatial Skills of Students**  
Zoja **VEIDE**, Veronika **STROZEVA**

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**Assessment of the Engineering Graphic Literacy Skills**  
Modris **DOBELIS**, Theodore **BRANOFF**, Imants **NULLE**

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**Symbols Used to Define a Projection Method and a Cartesian Coordinate System for a Three-Dimensional Space**  
Antanas **VANSEVICIUS**

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**To Create or to Explode?**  
**Perspective View Possibilities**  
**Engineering Graphics and Humour** **16:00**  
Rein **MÄGI**, Heino **MÖLDRE**

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**Coffee Break** **16:00 - 16:30**  
**Room 136**

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Thursday, June 6, 2013,  
Faculty of Civil Engineering, Azenes St 16/20, Room 132

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Plenary Session, Room 132 16:30  
Session Chairman Olga **ILYASOVA**

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The Optimization of Geometric Parameters for Mansard Design  
Jānis **AUZUKALNS**, Ieva **JURĀNE**

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Problems of Motivation of Students to Study Compulsory Subject  
“Engineering Graphics”  
Zoja **VEIDE**, Veronika **STROZHEVA**, Modris **DOBELIS**

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Graphical Competence in Engineering Sciences  
Olaf **VRONSKY** 18:00

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Conference Dinner (Optional) 19:00 - 21:00  
Hotel Islande

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Friday, June 7, 2013,  
Faculty of Civil Engineering, Azenes St 16/20, Room 132

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Plenary Session, Room 132 9:00  
Session Chairman Zoja **VEIDE**

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Modelling of Shortest Route in the Drawing  
Programmatical Detection Method of Flat Graphical Objects  
Formed from Lines  
Algirdas **SOKAS**

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Engineering Graphics Education as the Foundation  
of Intercultural Engineering Communication  
Harri **LILLE**, Aime **RUUS**

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Optimization of Teaching of Engineering Graphics Subjects  
in Riga Technical University  
Veronika **STROZEVA**, Zoja **VEIDE**

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Drawbacks of BIM Concept Adoption  
Modris **DOBELIS**

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Once Again about CADE  
Olga **OVCHARENKO**

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Closing Ceremony 10:30

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Farewell Coffee / Lunch 10:30 - 12:00  
Room 136

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RĪGAS TEHNISKĀ UNIVERSITĀTE  
RIGA TECHNICAL UNIVERSITY  
UNIVERSITÉ TECHNIQUE DE RIGA



## Exhibition “Zanis Waldheims’ Geometrical Abstraction”

Opened from June 5 at 17:00 till June 7 at Azenes Street 16/20, Riga

Žanis Valdheims – *Zanis Waldheims*  
(1909 Jaunpils, Latvija – 1993 Montréal, Canada)



*ENERGY WITHIN* (1982)

**Yves Jeanson report “Zanis Waldheims’ Geometrical Art” on June 6 at 9:00 Azenes St 16/20 under auspices of International Conference on Engineering Graphics BALTGRAF 2013**



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