

PRELIMINARY CONFERENCE PROGRAM



The 12th International Conference on
Engineering Graphics BALTGRAF 2013
June 5-7, 2013, Rīga, Latvia



BALTGRAF 2013
June 5-7, Riga, Latvia

Wednesday, June 5, 2013	
Early Bird Reception and Registration	
Opening of the Exhibition 17:00	16:00
“Zanis Waldheims’ Geometrical Abstraction”	-
“<i>Žana Valdheima ģeometriskā abstrakcija</i>”	19:00
RTU, Faculty of Civil Engineering	
Azenes St 16/20 Hall / Room 136	

Preliminary Conference Program
International Conference on Engineering Graphics BALTGRAF 2013

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

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

Opening Ceremony **9:00**

BALTGRAF 2013 Chairman Modris DOBELIS

Welcome Speeches by:

Dean of the Faculty of Civil Engineering Juris SMIRNOVS
BALTGRAF President Daiva MAKUTĒNIENĒ

Plenary Session, Room 132

Session Chairman Modris DOBELIS

Zanis Waldheims' Geometrical Art
Yves JEANSON

Geometrical Aspects of Restitution and Revitalization of the Wooden Architectural Structures
Renata Anna GÓRSKA

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

Digital Product Definition Data Practices
Tilmutė PILKAITĒ, Vidmantas NENORTA

Conic Sections in Logo Forming **10:30**
Irina KUZNETSOVA, Anna BURAVSKA



Conference Photo Session
Coffee Break
Room 136



10:30
-
12:00

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

Plenary Session **12:00**
Session Chairman Renata Anna GORSKA

BIM Technology Application Efficiency in Architectural Engineering Studies at Vilnius Gediminas Technical University
Tatjana GRIGORJEVA, Birutė JUODAGALVIENĖ,
Eglė TAUTVYDAITĖ

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

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

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

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



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

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

Plenary Session **14:30**
Session Chairman Vidmantas NENORTA

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

Combinatorial Methods Forming Objects of Design
Iryna KUZNETSOVA, Oktyabrina CHEMAKINA,
Tatyana SHIMANSKAYA

Perspective View Possibilities
Rein MÄGI

Geometrical Education by Using Multimedia Presentation
Miodrag NESTOROVIC, Aleksandar ČUČAKOVIĆ,
Nataša TEOFILOVIĆ, Biljana JOVIĆ

Symbols Used to Define a Projection Method and a Cartesian
Coordinate System for a Three-Dimensional Space **16:00**
Antanas VANSEVICIUS



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

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

Plenary Session **16:30**
Session Chairman Olga ILYASOVA

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

To Create or to Explode?
Rein MĀGI, Heino MÖLDRE

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

Improvement Concept of Engineering Graphics Course
Violeta VILKEVIČ

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



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

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

Plenary Session **9:00**
Session Chairman Jolanta DZWIERZYNSKA

Modelling of Shortest Route in the Drawing
Algirdas SOKAS

**Reconstruction of the Ancient Town of Emden by the Means of a
Computer Model**
Natalia BUBLOVA, Vasilij KONOVALOV

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

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

Automatic Projections in a Few Seconds **10:30**
Konstantinas Stanislovas DANAITIS, Juozapas GRABYS



Coffee Break **10:30**
Room 136 **-**
11:00

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

Plenary Session **11:00**
Session Chairman Zoja VEIDE

Some Reflections on Teaching Geometry and Engineering Graphics
Jolanta DZWIERZYNSKA

Drawbacks of BIM Concept Adoption
Modris DOBELIS

Engineering Graphics and Humour
Rein MÄGI

Graphic Investigation of Second Level Surface Intersection Lines
Konstantinas Stanislovas DANAITIS, Juozapas GRABYS

**Programmatical Detection Method of Flat Graphical Objects Formed
from Lines**
Algirdas SOKAS

Usage of Computer Aided Design Systems in Study Process
Birutė JUODAGALVIENĖ, Tatjana GRIGORJEVA

Closing Ceremony **12:30**



Lunch **12:30**
Room 136 **-**
13:30
