

P R O G R A M M E



Registration 9.00 – 9.30

Opening

9.30 – 9.40 Greetings by the dean of Faculty of Civil Engineering and Architecture prof. Dr. **Andrius Jurelionis**

Plenary session

9.40 – 11.10 CHAIRMEN: prof. **D. Vaičiukynienė**, Assoc. prof. **A. Mlinkauskienė**

- 1 **J. Šadauskienė, D. Pupeikis**
Review of BIM implementation in Higher Education
 - 2 **L. G. Li, J. Zhu, A. K. H. Kwan, P. L. Ng**
Synergistic Effect of Micro-Silica and Nano-Silica on Compressive Behaviour of Concrete
 - 3 **A. Riekstins**
Digital Prototyping and Augmented Reality Models for Studies of Architectural Design
-

11.10 – 11.30 

Sections **1 Architecture and Building Information Modeling**

11.30 – 12.45 CHAIRMEN: assoc.prof. **J. Šadauskienė** (Lithuania),
prof. **K. Zaleckis** (Lithuania)

- 4 **G. Antonelli**
Spatial Planning and Architectural Innovation in the Roman Town of Ocriculum
 - 5 **V. Baltus, L. Jankauskaitė-Jurevičienė, T. Žebrauskas**
Parametric Architecture Today and Tomorrow
 - 6 **A. Mlinkauskienė, L. Jankauskaitė-Jurevičienė, P. Christensen, L. Finocchiaro, G. Lobaccaro**
BIM Integration Possibilities in Different Study Cycles of Architecture Study Programme
 - 7 **V. Prilenska, M. Feofilovs**
(Un)Plugging: Serious Game as a Tool for Education and Exploration
 - 8 **B. Vērpe**
The Contemporary Resort Architecture in Jurmala, Latvia. Case of Dzintaru Prospect
-

12.45 – 13.30



Poster session

13.30 – 14.00 MODERATOR: V. Bocullo

Sections

2 Building Physics and Building Services. Construction Technology and Management

14.00 – 15.30 CHAIRMEN: Assoc.prof. R. Apanavičienė (Lithuania),
Assoc. prof. L. Šeduikytė (Lithuania)

- 9 **J. Černeckienė, L. Stasiulienė, R. Valančius, J. Vaičiūnas, E. Perednis**
Analysis of the Criteria for Selecting Heating Systems for Residential Buildings in Cold Climate
- 10 **A. Levinskytė, R. Bliūdžius, R. Kapačiūnas**
The Comparison of a Numerical and Empirical Calculation of Thermal Transmittance of Ventilated Facade with Different Heat-Conductive Connections
- 11 **P. Kavaliauskas, M. Daukšys**
Research on Installation Technologies of Corrosion Protection for Steel Structures
- 12 **A. Singh, A. Mutiari, C. Alexander, D. Arteta, F. E. del Pozo Jr, R. Valančius**
Solar Photovoltaic Systems in Built Environment: Today Trends and Future Challenges
- 13 **R. M. Singh, R. Valančius**
Future Trends for Heat Pumps Usage: Energy Piles, Energy Walls, and Energy Tunnels
- 14 **T. Ždankus, J. Černeckienė, L. Greičius, V. Stanevičius**
Wind Energy Usage for Building Heating Applying Hydraulic System
-

15.30 – 16.00 

Sections

3 Building Materials and Building Structures

16.00 – 17.45 CHAIRMEN: Prof. M. Daukšys (Lithuania), Prof. Ž. Rudžionis (Lithuania)

- 15 **R. Balevičius, M. Augonis**
The Effects of Bond, Shrinkage and Creep on the Cracking Resistance of Regular, pre- and post-Tensioned Reinforced Concrete Members
-

16	E. Ivanauskas, A. Paševėckas, D. Albrektas, S. Meškauskas <i>The Influence of Environmental Impact on the Beam of Laminated Veneer Lumber (LVL)</i>
17	W. Kubissa, R. Jaskulski, P. L. Ng, J. Chen <i>Utilisation of Copper Slag Waste and Heavy-Weight Aggregates for Production of Pre-cast Shielding Concrete Elements</i>
18	T. Lisauskas, M. Augonis <i>The Analysis of the State of Stress of Carbon Fiber Reinforced Concrete Elements Evaluating the Influence of the Bond</i>
19	V. Sasnauskas <i>Alkali Activated Cement Composites with Carbon Nanotubes</i>
20	D. Zabulionis, M. Augonis <i>Representation of the Combinations of the Actions According to EN1990 in the Framework of the Set Theory</i>
21	D. Židanavičius, M. Augonis <i>The Analysis of Rational Composition Parameters of Steel Beam Bridge</i>

Poster session List

22	G. Cinelis, J. Mockienė, M. Ivaškevičius <i>Parametrically driven building energy information modelling as a design method</i>
23	M. Žagarinskas, M. Daukšys, J. Mockienė <i>Research on Installation Technologies of Retaining Walls with Ground Anchors</i>
24	R. Kudirka, M. Daukšys, S. Juočiūnas <i>Research on the concrete mixture stability and sliding on the inclined plane</i>
25	A. Daugėlaitė, I. Gražulevičiūtė-Vilenišké <i>Urban Acupuncture: Research of Analogues</i>
26	D. Rekus, J. Krilavičius, V. Kriaučiūnaitė-Neklejonovienė <i>Analysis of the accuracy of different geodesic measurements methods for measuring roads</i>
27	T. Gužauskas, O. Viliūnienė <i>Building Information Model Application In The Construction Phase</i>
28	D. Martinavičius, M. Augonis, N. Adamukaitis, T. Zingaila <i>Experimental and Numerical investigation of Concrete Filled Closed Section Steel Beams</i>

29	A. Gudas, O. Viliūnienė <i>The Influence of Building Information Model (BIM) Technologies In Design And Construction Planning Stages</i>
30	Odeta Viliūnienė, Aldona Luobikiene, Loreta Inokaitytė <i>Change of legal acts: advantages and disadvantages</i>
31	Marija Vaičienė, Jurgita Malaiškienė, Olga Kizinievič <i>The impact of plastic waste on properties of lightweight concrete</i>
32	Rasa Apanavičienė, Svajūnas Abromas <i>Effectiveness Evaluation of Construction Projects Delivery based on BIM</i>
33	R. Miniotaitė <i>Evaluation of Technical State of Reinforced Concrete and Masonry Buildings</i>
34	R. Miniotaitė <i>Evaluation of Design Solutions for Low Energy Buildings</i>
35	R. Miniotaitė <i>Assessment of Projects for Renovation of Multi-Family Residential Buildings</i>
36	J. Misiūnas, R. Miniotaitė <i>Research of Structural Solutions and Humidity of External Walls of A + Class Residential Buildings</i>
37	D. Nizevičienė, D. Vaičiukynienė, М.И. Кузьменков, Н.М. Шалухо, А.А. Сакович <i>The influence of ultrasound on the mechanical properties of phosphogypsum as a gypsum binder</i>
38	R. Bistrickaitė, G. Šukaitytė <i>Villa Zarasas – a synergy between classical and innovative solutions</i>
39	L. Risevienė, R. Bistrickaitė <i>Investigation of layered flexural structures with inner layer of lightweight concrete</i>
40	L. Vitola, D. Vaičiukynienė, A. Kantautas, D. Bajare <i>Zeolite Na-A synthesis from metakaolin and aluminium fluoride (AlF₃) production wastes by low temperature method</i>
41	M. Dobravalskis, P. Spūdys, J. Vaičiūnas, P. Fokaides <i>(Potential of harvesting rainwater from vertical surfaces</i>
42	H. I. Al-Neama, R. Martand Singh <i>Numerical Study of the Thermo-Mechanical behaviour of Geothermal Energy Piles</i>
