



International conference “Ecological Architecture 2013“

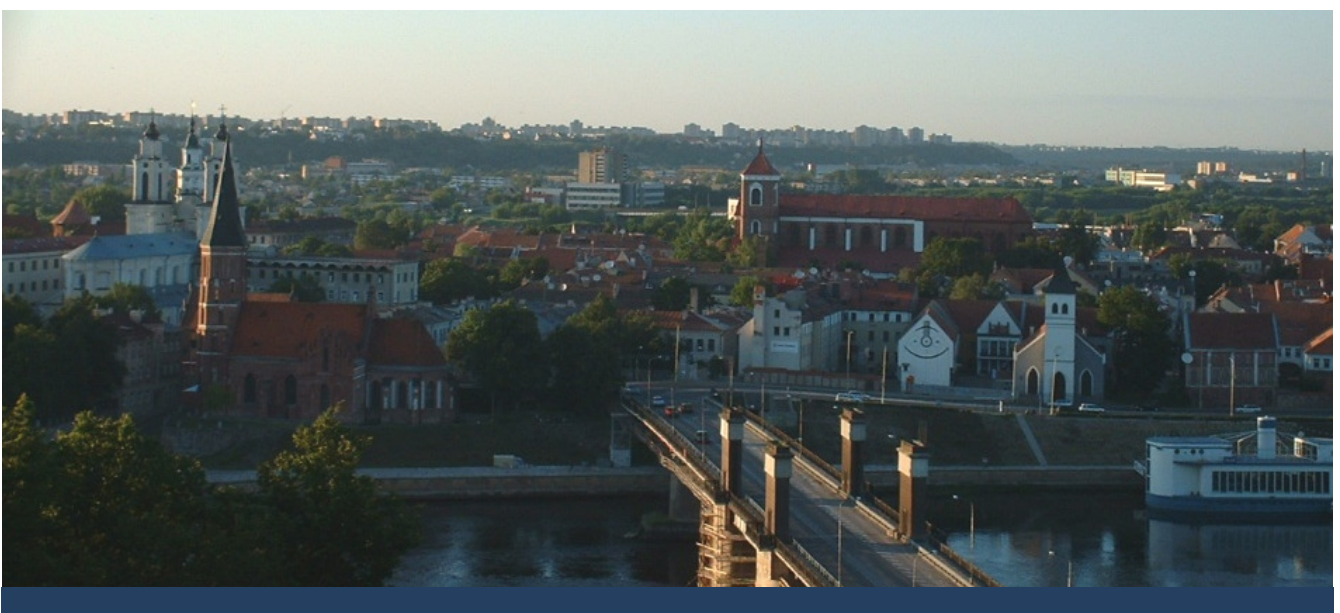
24 October 2013
Kaunas, Lithuania

Organized by:



**Kaunas University of Technology
Faculty of Civil Engineering and Architecture
Department of Architecture and Land Management**

Ecological architecture 2013 is a part of:



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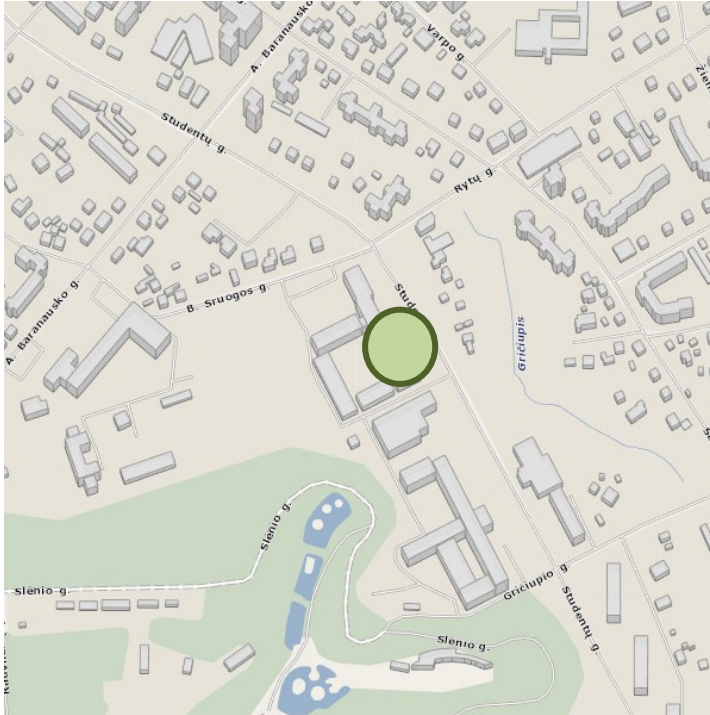
Dr. V. Karvelytė-Balbierienė (Kaunas University of Technology)

J. Vitkuvienė (Kaunas University of Technology)

E. Zaleskienė (Kaunas university of Technology)

Site of the conference:

Department of Architecture and Land Management,
Faculty of Civil Engineering and Architecture,
Kaunas University of Technology,
Studentu st. 48
Kaunas, Lithuania



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International conference “Ecological Architecture 2013”
24 October 2013

Preliminary program

Registration 9.00 – 9.30 (**Foyer, 3rd floor**) (Studentu st. 48, Kaunas)

Opening of the conference 9.30 (**427 aud.**) (Studentu st. 48, Kaunas)

Plenary Session 9.40 – 12.00 (**427 aud.**) (Studentu st. 48, Kaunas)

Chairman – Prof. Kęstutis Zaleckis (Kaunas University of Technology)

Secretary – Prof. Jūratė Kamičaitytė-Virbašienė

(20 min for presentation)

1. Friedrich Kuhlmann, Jekaterina Balicka (Estonian University of Life Sciences, Estonia)
RAISING COMMUNITY AWARENESS ON SUSTAINABILITY: THE CASE OF THE PROJECTS “DRAIN FOR LIFE” AND ASPIS

2. Andrzej Tokajuk (Bialystok University of Technology, Poland) **WHERE MUSIC MEETS ARCHITECTURE – “GREEN” OPERA IN THE CITY CENTER OF BIALYSTOK (POLAND). URBAN, ECOLOGICAL AND ARCHITECTURAL ASPECTS**

3. Kęstutis Zaleckis, Jūratė Kamičaitytė-Virbašienė, Evaldas Ramanauskas (Kaunas University of Technology, Lithuania) **PRESERVATION OF KAUNAS CITY IDENTITY WHILE PLANNING ITS URBAN DEVELOPMENT**

4. Anna Januchta-Szostak (Poznan University of Technology, Poland) **MULTIFUNCTIONAL RIVERSIDE BUFFER PARKS – THE RESEARCH ON NATURE-URBAN REVITALISATION OF RIVER VALLEYS**

5. Dora Ruth Trummer, Jolanta Dvarionenė, Inga Gurauskienė, Giedrius Gecevičius, Catarina Selada, Isabel Marques, Carmelina Cosmi (Slagelse Municipality, Denmark, Kaunas University of Technology, Lithuania, INTEL - Inteligência em Inovação, Centro de Inovação, Portugal, National Research Council of Italy - Institute of Methodologies for Environmental Analysis CNR-IMAA, Italy) **“ENERGY LAB” AND STAKEHOLDERS’ INVOLVEMENT AS A KEY TOOL FOR ENERGY CONSCIOUS COMMUNITIES**

Coffee Break (**310 aud.**) 12.00 – 12.40

Section 1: Sustainable Architecture 12.40 – 14.30 **(431 aud.)** (Studentu st. 48, Kaunas)

Chairman – Assoc. Prof. Gintaras Stauskis

Secretary – Arch. Laura Jankauskaitė-Jurevičienė

(15 min for presentation)

- 1. Vladas Stauskas** (Vytautas Magnus University, Lithuania) **THE QUALITY AND RESPONSIBILITY OF ARCHITECTURE IN THE CONTEXT OF EMERGING ECOLOGICAL CHALLENGES (LITHUANIAN EXPERIENCE)**
- 2. Vasiliki Sarvani, Odysseas Kontovourkis** (University of Cyprus, Cyprus) **PARAMETRIC DESIGN OF A HIGH-RISE HABITATION UNIT SYSTEM THROUGH LIGHTING AND SOLAR ENERGY PERFORMANCES**
- 3. Fabio Converti** (University of Naples "Federico II", Italy) **THE PROJECTS OF ARCHITECTURE IN THE CITIES OF THE MEDITERRANEAN**
- 4. Gintaras Stauskis** (Vilnius Gediminas Technical University, Lithuania) **URBAN SUSTAINABILITY ASSESSMENT AND ITS IMPACT ON DEVELOPMENT OF GREEN ARCHITECTURE**
- 5. Walter Unterrainer** (Umeå University, Sweden) **RETROFITTING OF EXISTING BUILDING STOCK - AN ARCHITECTURAL CHALLENGE ON ALL SCALES**

Coffee Break (310 aud.) 14.30 – 15.00

Section 2: Sustainable development of urban environment (265 aud.) 12.40 – 14.30

Chairman – Prof. Petras Grecevičius

Secretary – Dr. Vilma Karvelytė-Balbierienė

(15 min for presentation)

- 1. Petras Grecevičius, Jonas Genys, Vytautas Dubra, Dovilė Furmaniukaitė, Jonas Abromas** (Klaipėda University, Lithuania) **DANGĖ RIVER INFLUENCE ON THE QUALITY OF TOWN CENTRAL TERRITORIAL STRUCTURE**
- 2. Dalia Dijokienė** (Vilnius Gediminas Technical University, Lithuania) **URBAN CONCEPTS OF LINKS BETWEEN KAUNAS CITY AND THE RIVER PRESENTED IN ACADEMIC WORKS OF STUDENTS**
- 3. Giedrė Gudzinevičiūtė, Evaldas Ramanauskas** (Kaunas University of Technology, Lithuania) **THE ELEMENTS OF GLOBALIZATION IN THE SPATIAL STRUCTURE OF LITHUANIAN TOWNS AND THEIR VALUATION**
- 4. Jurgis Zagorskas, Inga Veteikytė** (Vilnius Gediminas Technical University, Lithuania) **EVALUATING EFFECTIVENESS OF EXISTING AND PLANNED URBAN FORM BY USING GIS AND CELLULAR AUTOMATA**
- 5. Renāte Čaupale, Sandra Mihailova** (Riga Technical University, Riga Stradiņš University, Latvian Association of Health Psychology, Latvia) **THE ARCHITECTURAL PSYCHOLOGY AND ARCHITECTURAL SOCIOLOGY IMPORTANCE IN THE FORMATION OF URBAN SPACE**

Coffee Break (310 aud.) 14.30 – 15.00

Section 3: Landscape architecture and sustainability (435 aud.) 12.40 – 14.30

Chairman – Arch. Giedrė Laukaitytė-Malžinskienė

Secretary – Arch. Jurga Vitkuvienė

(15 min for presentation)

1. Niki Manou-Andreadis, Maria Milona (Aristotle University of Thessaloniki, Greece)

WATER- DESIGNING FOR SUSTAINABILITY, PURITY AND COMFORT

2. Justina Mačiukėnaitė, Ingrida Povilaitienė (Kaunas University of Technology, Lithuania)

THE ROLE OF THE RIVER TO THE CITY AND ITS IDENTITY

3. Magdalena Vogt, Iwona Kluza, Magdalena Ciemięga (Cracow University of Technology, Poland)

THE ECOLOGICAL, AESTHETIC AND PSYCHOLOGICAL BENEFITS FROM USING CLIMBING PLANTS IN URBAN GREEN SPACES IN CRACOW AND DRESDEN

4. Algimantas M. Olšauskas, Petras Grecevičius (Klaipeda University, Lithuania)

PLANTS FOR THE BUILDING'S EXTERIOR ARCHITECTURAL EXPRESSION: ECOLOGICAL, HYGIENIC AND COMPOSITIONAL MEANING

5. Giedrė Laukaitytė-Malžinskienė (Vilnius Gediminas Technical University, Lithuania)

PRACTICAL APPROACHES TO THE VISUAL DIMENSION OF URBAN FRINGE LANDSCAPE

Coffee Break (310 aud.) 14.30 – 15.00

Section 4: Heritage preservation, city center revitalization (434 aud.) 12.40 – 14.30

Chairman – Dr. Evaldas Ramanauskas

Secretary – Dr. Vilma Karvelytė-Balbierienė

(15 min for presentation)

1. Katarzyna Hodor, Julia Klimek (Cracow University of Technology, Poland) **ATTEMPTS AND METHODS OF REVITALIZING THE CENTRES OF SMALL LOCALITIES. SELECTED EXAMPLES**

2. Wojciech Wojcikowski (Cracow University of Technology, Poland) **REVITALIZATION PROJECTS IN THE POLISH SPA RESORTS**

3. Domenico Chizzoniti, Matteo Noviello, Gaia Preta, Letizia Cattani, Luca Preis (Milano Polytechnics, Italy) **THE MEMORIAL MUSEUM OF JEWISH CULTURE IN PRAGUE. AN EXAMPLE OF URBAN REGENERATION**

4. Aparatija Dubey, Ruchi Shrivastava (Hafencity University, Germany, Larsen & Toubro Limited, India) **PRESERVATION OF HERITAGE DIMENSION IN ECOLOGICAL ARCHITECTURE IN CASE OF EPHEMERAL EVENTS. CASE STUDY: “PURNA KUMBH MELA”, INDIA**

5. Evaldas Ramanauskas, Liucijus Dringelis (Kaunas University of Technology, Lithuania) **THE INHERITANCE OF SOVIET PERIOD. HOW SHOULD IT BE EVALUATED?**

Coffee Break (310 aud.) 14.30 – 15.00

Poster presentations 15.00 – 15.30 (Foyer, 3rd floor) (Studentu st. 48, Kaunas)
Chairman – Assoc. Prof. Indrė Gražulevičiūtė-Vileniškė

- 1. Gražina Janulytė-Bernotienė** (Kaunas University of Technology, Lithuania) **TRADITION OF “ECO-ARCHITECTURE” IN LITHUANIA**
- 2. Amelia Trematerra, Francesco Maiolino, Gino Iannace** (Second University of Naples, Italy) **USE OF GREEN MATERIAL FOR ACOUSTIC CORRECTION INSIDE ROOMS**
- 3. Tommasina Budetta, Raffaella De Martino, Rossella Franchino, Caterina Frettoloso** (Special Soprintendenza for Archaeological Heritage of Naples, Second University of Naples, Italy) **THE SYSTEM OF ENVIRONMENTAL NETWORKS FOR THE FRUITION OF ARCHAEOLOGICAL SITES IN NATURALISTIC AREAS OF QUALITY**
- 4. Irena Matijošaitienė, Ona Samuchovienė** (Kaunas University of Technology, UAB “Infraplanas“ Lithuania) **LANDSCAPE PROTECTION AND MANAGEMENT GUIDELINES FOR ROADS: PROBLEMS AND AMENDMENTS FOR LITHUANIAN LEGAL ACTS**
- 5. Laura Jankauskaitė-Jurevičienė, Aušra Mlinkauskienė** (Kaunas University of Technology, Lithuania) **INVESTIGATION OF INFRASTRUCTURE AND RECREATIONAL POTENTIAL OF TOURISTIC ROUTES OF THE RIVERS**
- 6. Indrė Gražulevičiūtė-Vileniškė, Erika Zaleskienė, Gintarė Baltrušaitytė, Lauryna Rubikaitė** (Kaunas University of Technology, Lithuania) **RELICTS OF SOVIET RURAL LANDSCAPE IN THE ZONE OF INFLUENCE OF THE CITY: ECOAESTHETIC CHALLENGES**
- 7. Özlem Eren** (Mimar Sinan Fine Arts University, Turkey) **ASSESSMENT OF USAGE OF RECYCLED STEEL MATERIALS IN SUPPORTING SYSTEMS OF STRUCTURES IN THE SCOPE OF ECOLOGICAL URBAN CREATION**
- 8. Özlem Eren** (Mimar Sinan Fine Arts University, Turkey) **MAY ADVANCED TECHNOLOGY HIGH RISE STEEL STRUCTURES HAVE IMPACT ON DESIGN OF ECOLOGIC CITY?**
- 9. Özlem Eren** (Mimar Sinan Fine Arts University, Turkey) **RENEWAL OF HISTORICAL STRUCTURES WITH ECOLOGICAL STEEL STRUCTURE TECHNOLOGY AND AN OVERVIEW OF PRACTICES IN TURKEY**