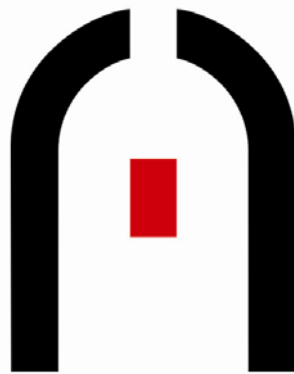


FACULTY OF ARCHITECTURE



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RESEARCH GROUP IN URBAN DESIGN AND HISTORICAL BUILT HERITAGE

GENERAL PRESENTATION

Nowadays the cities are in a permanent and deep transformation. The new concept of sustainable urban development offers a new dimension to the urban design. It involves in an integrated way different levels of the society in the planning of the new urban areas in connection with the historical protected zones. This tendency is part of the specific contemporary answers to the globalization challenges. The relation between the built heritage and the development of the cities make necessary a good knowledge of the urban history, of the society evolution and of all tendencies in the contemporary urban development.

OBJECTIVES

The main objective of the research team is to find the characteristics of the urban development and the particularities of the city zones and ensembles. Based on the analysis, another preoccupation is to propose viable solutions for the urban planning in the same time with the integration and the rehabilitation of the built heritage.

MAIN RESEARCH FIELDS

- History of urbanism and its applications in contemporary design.
Keywords: urban design, urbanism, settlement, city, evolution
- Urban analysis and planning. Urban studies for sustainable development.
Keywords: urban areas, territory, sustainable development, urban network
- Integrated protection of the historical zones in a sustainable urban development.
Keywords: built urban areas, historical zones, sites and zones, rehabilitation

Researches in HISTORY OF URBANISM AND ITS APPLICATIONS IN CONTEMPORARY DESIGN

FIELD DESCRIPTION

Historical researches of human settlements in order to detect the rules of urban development. Studies of urban structures, typologic and morphologic elements, particularities of the urban evolution. Researches in architectural and urban history of the evolution of cities and villages in the western side of Romania.

Inventory of the valuable architecture in Banat in order to propose methods of their integration in the contemporary life.

ACTIVITIES

Archives investigations, research in the territory, analytical studies. Solutions to increase the quality of urban projects. Studies in order to realise the inventory of protected areas.

RESEARCH TEAM

Prof.dr.arh. Teodor Octavian Gheorghiu
Prof..dr.arh. Smaranda Bica
Ass.arh. Cristian Blidariu
Arh. Valentin Capotescu

RESULTS

PUBLISHED PAPERS

Gheorghiu, T.O., *Medieval Romanian Urbanisation in Moldavia and Vallachia – a Major Political Undertaking or a Random Occurrence*, „Historia Urbana” nr. 2, 2007, ISSN 1221-650X, pp. 233-251

CONTRACTS

1. CNCISIS grant nr. 2739/2006, *The Rural Traditional Trade as Specific Regional Element and Economic Rehabilitation Factor for the Romanian Village in Front of the Globalization*
Value: 54,900 RON
2. Contract nr. 747/20.09.2007, *The district of „Fabric” in Timisoara - protected zones*
Beneficiary: The Direction of Culture, Cults and Cultural Heritage of Timis District
Value: 26,400 RON

CONTACT PERSON

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Researches in HISTORICAL MONUMENTS AND PROTECTION OF THE BUILT HERITAGE

FIELD DESCRIPTION

Study of the buildings and urban zones with a high architectural and historical value. Detect the best forms and possibilities of protection. Search for historical monuments and sites in the county of Banat.

Collaboration with institutions and organisations involved in the protection of the built heritage.

ACTIVITIES

Archives of information about the buildings and zones of architectural interest – Inventory of historical monuments

Analyse of the damages produced by different causes.

Proposals of rehabilitation and prevention.

RESEARCH TEAM

Prof.dr.arh. Smaranda Bica

Assoc.prof.dr.arh. Liliana Roşiu

Ass.arh. Mihai Donici

Ass.arh. Alfred Schwalie

Arh. Doina Antoniu

PUBLISHED PAPERS

1. Roşiu, L., *Holiday Camps in Romania. About Value and Protection*, International conference „Architecture and Society of Holiday Camps. History and Perspectives”, Bellaria, 2007, ISBN 973-638-341-5, 978-973-638-341-0, pp. 135-140
2. Bica, S., *A Youth Resort Generated by a Students Camp Costinesti, Romania*, International conference „Architecture and Society of Holiday Camps. History and Perspectives”, Bellaria, 2007, ISBN 973-638-341-5, 978-973-638-341-0, pp. 155-160
3. Bica, S., Roşiu, L., *The Use of Natural Stone in Romanian Architecture along Centuries: a Comparison with Mediterranean Architecture*, „Costruire in Pietra, fra innovazione e tradizione”, International Conference, Naples, ISBN 88-6026-041-8, pp. 248-253

CONTRACTS

1. International project „Culture 2000”, CLT 2006-1014/001-001, *Architecture and Society of Holiday Camps, History and Perspectives*
Value: 21,812 EURO
Partners: DAPT-Universita di Bologna, Provincia di Rimini, University of Ghent, CNRS-France
2. Contract nr. BC 647/2007, *The remake of the project of consolidation at the Museum of Banat building in Timisoara*
Value:16,400 RON
Beneficiary: The District Council of Timis and the Museum of Banat
3. Contract nr. 805/2007, *The „Traian Vuia” museum*
Value: 25,000 RON
Beneficiary: The District Council of Timis and the Museum of Banat

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Researches in URBANISM AND TERRITORIAL PLANNING

FIELD DESCRIPTION

Researches of the urban structures and analysis of the human settlements in order to create new built zones.

Studies to detect the relation between the human needs and behaviour and the setting development.

Researches in urban evolution of cities, villages and territory.

ACTIVITIES

Researches to give solutions for the complex needs of the urban system.

Solutions to find new directions of acting at the urban level.

Collaboration in different categories of urban plans.

RESEARCH TEAM

Prof.dr.arh. Teodor Octavian Gheorghiu

Assoc. prof.dr.arh. Radu Radoslav

Ass.arh.Catalina Bocan

Arh. Radu Botis

PUBLISHED PAPERS

1. Bica, S., Radoslav, R., *The Chaotic Development of New Districts Appearing around Romanian Cities after 1990. The Case of Timisoara*, in Proceedings of the International Conference „Le case e i luoghi del lavoro: letture e confronti”, Università degli Studi di Salerno, May 2007
2. Radoslav, R., *The Zonal Territory Plan – between the Economic, Social and Spacial Plannings – Case Study*, Proceedings of the International Conference of Environmental Psychology, Sibiu, 2007
3. Radoslav, R., *The Romanian Holiday Camps – Characteristic Features in European Context*, International conference „Architecture and Society of Holiday Camps. History and Perspectives”, Bellaria, 2007, ISBN 973-638-341-5, 978-973-638-341-0, pp. 121-123
4. Radoslav, R., *The Rehabilitation in Holistic Vision of the Historical Citycentres in Countries surpassing the Socialist Economy*, Proceedings of the International Conference „The Importance of the Rehabilitation of Historical Towns in Moldavian Republic”, Chisinau, October, 2007

CONTRACTS

Contract nr. 752/2007, *Urban Plan for the metropolitan zone of Oradea*
 Value: 10,000 RON
 Beneficiary: Association for the Metropolitan Zone of Oradea and SC QUANTUM LEAP SA

CONTACT PERSON

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RESEARCH GROUP IN MODERN ARCHITECTURE, FORMS AND SYMBOLS

GENERAL PRESENTATION

Architectural form it is a research topic considering the basic fundamentals of today's man made environment in relation with nature. The possibilities to adapt already existing tendencies like bionics, eco-texture, structuralism, semiotics, informational aesthetics etc. to contemporary phenomena related to technology and digital techniques, but also with ecology, are known as sustainable (self sustained) development. In this kind of approach form is both a generating source and final result, dominating architectural design.

OBJECTIVES

The main objective of the research team is to find the characteristics of the contemporary architecture and its development tendencies in order to propose suitable solutions for the design of the built environment.

There is also important to find how the contemporary architecture may be inserted in the existing natural and built sites and how could it to transform them in the benefit of their quality.

MAIN RESEARCH FIELDS

- Forms, symbols and representation methods.
Keywords: symbol, architectural form, geometry, art, alternative form
- Characteristics of the Architecture in the second half of the 20th century
Keywords: modernism, geometric shape, international style, rationalism.
- Historical and critical evaluation of modern architecture.
Keywords: space, functionalism, modular, environment, typology

Researches in FORMS, SYMBOLS AND REPRESENTATION METHODS
FIELD DESCRIPTION

Study of the relationship between the architectural form and its structural and functional

determination. Search to detect the expressive qualities of the architectural form.

ACTIVITIES

Theoretical contributions in the design of urban environment. Appliance in architecture, urban and interior design.

RESEARCH TEAM

Prof.dr.arh. Cristian Dumitrescu
 Assist. Vlad Ardeleanu
 Assist.arh. Gheorghe Breazu
 Assist.arh. Claudiu Silvășan
 Assist.arh. Erica Dudaș
 Assist. Bogdan Oprescu

PUBLICATIONS**PUBLISHED PAPERS**

Dudas, E., *Romanian Seaside „Colonie di vacanza”*: Costinesti, International conference „Architecture and Society of Holiday Camps. History and Perspectives”, Bellaria, 2007, ISBN 973-638-341-5, 978-973-638-341-0, pp. 200-2004

INTERNATIONAL PROGRAMMES

1. Leonardo da Vinci - ESUA project: *The European School of Urbanism and Architecture*
 Director: Folkeuniversitetet Norway
 Partners: Technische Universitat Berlin, Stadt Gladbeck, KTH Royal Institute of Technology, INTBAU Venice
2. Project CNMP – PNCDI 2 nr. 91/022/2007, *Ergoengineering of the work place – Applications in dental medicine*

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Researches in *HISTORICAL AND CRITICAL EVALUATION OF MODERN ARCHITECTURE****FIELD DESCRIPTION***

Study of the sources of modern architecture in relationship with a critical overview of the contemporary tendencies.

ACTIVITIES

Projects and theoretical contributions to the contemporary architectural development.

RESEARCH TEAM

Assoc. prof. dr. arch. Vlad Gaivoronschi
Assoc. prof. dr. arch. Ioan Andreescu
Assist. Arch. Marius Miclăuș
Assist. Arch. Razvan Oprita
Assist. Arch. Marius Harta
Assist. Arch. Romeo Szorad

PUBLISHED PAPERS

1. Gaivoronschi, V, *City Business Centre*, Proceedings of the International UAIM - OAR Conference „Tendencies in the Urban Contemporary Architecture” Bucharest, 2007
2. Miclaus, M., Luca, A., *The Concept of Rehabilitation – The Theresia Bastion*, International Conference Rehabilitation and Restoration in Old Centres, Timisoara, 2007

INTERNATIONAL PROGRAMMES

Miclaus, M., *Regional tendencies*, „*The gelateria Zanoni*” – Timisoara, Exhibition: „Architectural moments from the 19th century to the present”, Vienna, Ringturm XIII, May – June 2007

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