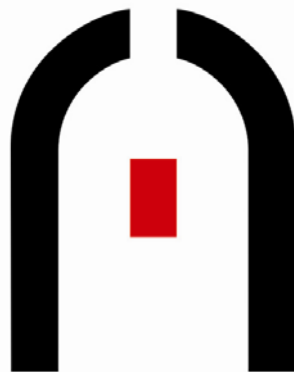


FACULTY OF ARCHITECTURE



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RESEARCH GROUP IN URBAN HISTORY AND BUILT HERITAGE

GENERAL PRESENTATION

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 and rehabilitation. That makes necessary to find methods to answer at the globalization challenges. In order to protect the built heritage and to integrate it in a viable development of the cities, there is a fundamental need to study the urban history and the tendencies of the contemporary evolution.

A series of critical aspects makes also necessary to reconsider the protection possibilities, that can not be resumed to a simple survey in order to stop aggressive changes. They need to find the right methods to maintain the architectural qualities of the historical monuments.

OBJECTIVES

The main objective of the research team is to find the characteristics of the urban development and the particularities of the historic zones, ensembles and buildings and based on the analysis, to propose viable solutions for the urban planning and for the rehabilitation of the built heritage.

MAIN RESEARCH FIELDS

➤ History of urbanism and its applications in contemporary design.

Keywords: urban design, urbanism, urban network, settlement, city

➤ Integrated protection of the built patrimony in Romania.

Keywords: protection, built patrimony, historical monuments, sites and zones, rehabilitation, restoration

➤ Architecture and urbanism in Banat county.

Keywords: traditional architecture, vernacular, typology, integration

➤ Historical evaluation of industrial architecture.

Keywords: technology, functionalism, steel structures

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 cities and villages in Banat.

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. Collaboration in different categories of urban plans.

RESEARCH TEAM

Prof.dr.arh. Teodor Octavian Gheorghiu

Asoc.prof.dr.arh. Smaranda Bica

Dr.arh. Radu Radoslav

Ass.arh. Ramona Pascu

Ass.arh. Marius Miclăuș

RESULTS

BOOKS

1. Gheorghiu, T.O., *The Traditional Rural Dwelling in Banat-Crisana zone. Elements of History and Morphology; Protection and Integration*, OAR Publishing House, Timisoara, 2005, 400 pages
2. Gheorghiu, T.O., joint author, *Historic Atlas of the Towns in Romania*, Romanian Academy, Commission of the History of Towns in Romania, Enciclopedica Publishing House, Bucharest, 2005, ISBN 973-45-0523-8

PUBLISHED PAPERS

1. Gheorghiu, T.O., *The Outline of the Teritorial Evolution of the Town Iasi until the End of the XIXth Century*, „The Monument”, ISBN 973-7834-27-5, Iasi, 2005, pp. 279-291
2. Gheorghiu, T.O., *Beginings of the Romanian Extracharpatic Medieval Urban Development, XIII-XVIIth Centuries*, „Arheologia Moldovei”, Iasi, 2005
3. Gheorghiu, T.O., Bica, S., *Typical and Atypical Defensive System of the Romanian Medieval Towns in Wallachia, Moldavia and Dobrudja*, „Mnemeio & Perivallon”, nr. 9, Tessaloniki, Greece, 2005
4. Bica, S., *The Layout of Streets and Squares for More Friendly and Ecological Environment*, Scientific reunion of the special program of A. Von Humboldt Foundation „Sustainability for humanity and environment in the extended connection field Science, Economy, Policy”, Vol. I, Politehnica Publishing House,

Timisoara, 2005, ISBN 973-625-204-3, pp. 339-342

PROJECTS

1. PUG Foieni and its urban regulation
2. PUZ „Milkland Group” SRL, Sanleani, Arad District

CONTACT PERSON

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Researches in INTEGRATED 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.

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. Teodor Octavian Gheorghiu
Assoc.prof.dr.arh. Smaranda Bica
Assoc.prof.dr.arh. Liliana Roșiu
Ass.arh. Mihai Donici
Ass.arh. Alfred Schwalie
Arh. Doina Antoniu

PUBLISHED PAPERS

1. Roșiu, L., *Painted Wooden Churches, Structure Conservation Issues*, „Conservation of Historic Wooden Structures”, Gennaro Tampone, Vol. II, Florence, 2005
2. Roșiu, L., Trif, I.A., *Different Aspects Regarding the Preservation of the Vestiges of*

the Fortress of Timisoara, „Traditional and Innovative Materials and Techniques in the Conservation of Historic Structures”, 9th International Scientific Conference Historic Structures, Utilitas Publishing House, Cluj-Napoca, 2005, ISBN 973-9377-41-6, pp. 117-128

3. Roșiu, L, *Alternatives in Wooden Structures Conservation at the Historical Monuments*, „Materials, Elements and Composite Structures for Buildings”, International Conference, Mirton Publishing House, Timisoara, 2005, ISBN 973-661-652-5, pp. 333-336
4. Dumitrescu, C., *Study about the Protection and Reuse of the Buildings from the Quarter Cetate in the Context of the General Urban Development of Timisoara*, International Conference at the 35th anniversary of the Architecture Education in Cluj University, Cluj-Napoca, 2005
5. Roșiu, L., *The Art Nouveau Architecture in Timisoara, in Front of the Contemporary Provocations*, International Conference, „Vulnerability of the 20th Century Cultural Heritage to Hazards and Prevention Measures”, Kos, 2005
6. Roșiu, L., *From Ioachim Miloia's Preoccupations about the Study of Historic Monuments*, in „Coloana Infinitului”, special edition, year VIII, Vol. I, nr.52, Timisoara, 2005, ISSN 1453-8695, pag. 42-44

PROJECTS

1. International project cooperation with the British Council – Bucharest: „Cultural Heritage Project 2004-2005”
2. Rehabilitation of the north zone of the Cetate quarter

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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-tecture, 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.

MAIN RESEARCH FIELDS

- Forms, symbols and representation methods.
Keywords: symbol, architectural form, geometry, ecotecture, 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
Prof.dr.arh. Smaranda Bica
Assist.arh. Gheorghe Breazu
Assist.arh. Ion Aurelian Trif
Assist.arh. Claudiu Silvășan
Assist.arh. Erica Dudaș
Assist.arh. Codruța Negrulescu

PUBLICATIONS

PUBLISHED PAPERS

1. Bica, S.M., *The Ecclesiastic Cupolas of the Romanian Contemporaneity*, „Materials, elements and Composite Structures for Buildings”, International Conference, Mirton Publishing House, Timișoara, 2005, ISBN 973-661-652-5, pp. 183-188
2. Silvășan, C., *The Multicriterial Analysis of the Safety Light*, Installations for Buildings ant the Environmental Comfort, Politehnica Publishing House, Timișoara, 2005, ISBN 973-625-223-7, pp. 333-338

PROJECTS

Negrulescu, C., *Florea House in Dumbrăvița*, Excellence Price of the OAR Timiș for the best residential project in 2005

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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.arh. Vlad Gaivoronschi
Assoc.prof.dr.arh. Ioan Andreescu
Assist.arh. Marius Miclăuș
Assist.arh. Marius Harta
Assist.arh. Cătălina Bocan
Assist.arh. Romeo Szorad

BOOKS

Gaivoronschi, V., Bocan, C., Panaitescu, A., *To Exert the Architect Profession*, Simetria Publishing House, Bucharest, 2005, ISBN 973-87416-3-7, 200 pages

PUBLISHED PAPERS

1. Gaivoronschi, V, *Three projects presented in the Catalogue of the International Architecture Exhibition at the 22nd Congress of Architecture in Istanbul*, 2005
2. Miclăuș, M., Szorad, R., *Houses for young people in Timișoara*, projects rewarded with first and second prices, presented in "Arhitectura" review, nr. 32, III, Bucharest, 2005, ISSN 1220-3254
3. Negrisanu, R., Florescu, D., Gheorghiu, T.O. *Projects rewarded with second and third prices, presented in "Arhitectura" review*, nr.35, VI, Bucharest, 2005, ISSN 1220-3254

PROJECTS

1. Extension of the "Carol Davila "Hospital in Bucharest, Miclăuș, M., first price national contest
2. Rehabilitation of the Bastion Theresia in Timișoara, Miclăuș, M., PHARE project

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