

PERSONAL
INFORMATION

MOSOARCA MARIUS

📍 86 Ciocarliei Street, Timisoara, postal code: 300600, Timis County, Romania

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Gender Male | Birth date 11/09/1967 | Nationality Romanian

WORK EXPERIENCE

2015 – present **PhD coordinator – 7 PhD students**

2015 – present **Full Professor**

Politehnica University of Timisoara, Faculty of Architecture, No. 2/A, Traian Lalescu Street, Timisoara, Timis county Tel/fax: 0256 404021, www.upt.ro

Didactic and research activities in the historic buildings restoration and design of bearing structures domains. Taught courses:

- 1) Restoration and consolidation of bearing structures – course holder; 4th year, sem. II; master course holder, 2nd year, sem I.
- 2) Design of bearing structures: “Design of structures” – course holder; 3rd year, sem I, II;
- 3) Design of bearing structures: “Design of structures” – course holder; 4th year, sem. I;
- 4) Anti-seismic architecture – course holder; 5th year, sem. II;
- 5) The aesthetics of structures – course holder; 6th year, sem. I
- 6) Anti-seismic urban design – course holder, “Urban planning and landscape design”, 2nd year, sem I
- 7) Restoration and consolidation of bearing structures - “Heritage restoration and regeneration” master course, 2st year, sem I
- 8) Aesthetics of structure - “Heritage restoration and regeneration” master course, 2st year, sem I

2013 – 2015 **Associate Professor**

2013 – present **Vice dean – Faculty of Architecture and Urban Planning**

2011 - present **Master thesis coordinator**

2009 – 2013 **Lecturer**

1999 – 2003 **Professor assistant**

1998 – present **Manager S.C. H.I. STRUCT S.R.L**

86, Ciocarliei Street, 300600, Timisoara, Timis county, Romania, Tel/fax: 0256226277
office@histruct.ro, www.histruct.ro

Main activities and responsibilities: Structural design for buildings

1994 – present **Delegate Administrator SC MAISON STYL SRL**

86, Ciocarliei Street, 300600, Timisoara, Timis county, Romania, Tel/fax: 0256226277
mmosoarca@yahoo.com

Main activities and responsibilities: Structural design for buildings

1994 – 1995 **Structural designer S.C. HIDROTIM S.R.L.**

Main activities: Structural design for buildings

EDUCATION AND TRAINING

2009 Specialist for Ministry of Culture and National Heritage

Studies and research developer, inventory of buildings with heritage value, project manager historic bearing structures, inspector, following the behaviour in time of historic buildings

Name and type of organisation providing education and training: Ministry of Culture and National Heritage

1995-2004 PhD engineer with the "Cum laudae" distinction

Title of PhD thesis: Contributions to the calculation and construction of reinforced concrete structural walls

Name and type of organisation providing education and training: Politehnica University of Timisoara, Faculty of Constructions and Architecture

1994 Engineer

Name and type of organisation providing education and training: Politehnica University of Timisoara, Faculty of Civil Engineering

PERSONAL SKILLS AND COMPETENCES

Mother language Romanian

Other languages

	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken interaction	Spoken production	
English	B1	B1	B1	B1	B1
French	B1	B1	B1	B1	B1
Italian	A2	B1	B1	B1	A1

Levels: A1/2: Elementary user - B1/2: Independent user; - C1/2: Experienced user

Social skills and competences

- Good communication skills developed by:
 - teaching experience with students from the Faculty of Architecture and Urbanism, from the „Politehnica” University from Timisoara;
 - participation at conferences and meetings with scientific themes;
 - collaborations with partners from design and research domains.
 - coordinator of research and design teams.

**Organisational competences/
management**

- Vice dean of the Faculty of Architecture and Urbanism from Timisoara since 2013;
- Member in the Professional Council of the Faculty of Architecture and Urbanism from Timisoara since 2012;
- Member in the Department Council of the Faculty of Architecture and Urbanism from Timisoara since 2012;
- Member in the License Committee of the Faculty of Architecture and Urbanism from Timisoara since 2010;
- Member in the Dissertation Committee of the “Urbanism and planning” masters program from the Faculty of Architecture from Timisoara since 2013 and “ Heritage restoration and regeneration“ masters since 2018
- Member of the Habilitation Committee of the “Ovidius” University in Constanta since 2017
- Member in the doctoral council at the Technical University of Cluj-Napoca, since 2014;
- Responsible for Romania for the international research programme “Innovative systems for earthquake resistant masonry enclosures in rc buildings” – INSYSME, FP7- SME-2013 -606229;
- Coordinating director for Romania of the international research programme COST Action FP1101, Assessment, Reinforcement and Monitoring of Timber Structures in the Management Committee Member – COST Participants subject to MC permission and MoU acceptance;
- Associate editor at ISI conference: “Advances in Environmental and Geological Science and Engineering”. 3rd international conference (EG’10), 3-5 September, 2010, Constanta, ISSN: 1792-4685; ISBN:978-960-474-221-9;
- Organiser of International Workshop in collaboration with Universita degli Studi di Padova from Italy: “Seismic Vulnerability of Historical Centers”, Timisoara, 14-15 June 2014;
- Responsible for the national research programme “Hidden heritage II”. Highlighting the cultural values of historic roof framings. Partnership between the Faculty of Architecture from Timisoara and the Association of Restorers of Historic Monuments from Transylvania (ARMIT) 2012;
- organizer of ERASMUS mobility program within the Faculty of Architecture and Urbanism;
- Management abilities as director of H.I. STRUCT SRL design office;
- Specialist engineer, developer of research programs, designer of bearing structures, site inspector, certificated by the Ministry of Cults and National Heritage with number 287 S/20.11.2009;
- Senior engineer – certified by AICPS (Association of Civil Engineers Designers of Structures).
- ISCARSAH specialist since 2017
- Organizer of the “Seismic Analysis and Retrofitting of Civil Engineering Structures” special session of the 17th International Conference of Numerical Analysis and Applied Mathematics (ICNAAM 2019) together with Francisco Clementi, Antonio Formisano, and Gabriele Milani

Technical skills and competences

- Knowledge and understanding of the concepts, practices and basic methods in the field of architectural and engineering design, as well as their adequate use in professional communication;
- Utilization of basic knowledge for the explanation and interpretation of various concept types, situations and phenomena associated with architecture and engineering;
- Application of the basic principles and methods for solving well defined design problems, and providing qualified support;
- Adequate use of well known criteria and methods for the evaluation of the quality, merits and limits of some projects, programs, concepts, methods and theories from the architecture and engineering domains;
- Elaboration of professional projects using well known principles and methods from the architecture and engineering domains;

Computer skills and competences

- Microsoft Office package (Word, Excel and PowerPoint);
- Technical knowledge: SAP2000, 3Muri, Etabs, Axis, AutoCAD, Scia Engineer.

Driving licence

- Category B driving license

ADDITIONAL INFORMATION

- Publications** Publications between 1994-2019:
- Published books: 2;
 - associate book editor: 1;
 - lab guides: 2, one of which in electronic format;
 - chapters in published international scientific books: 3;
 - electronic courses: 2;
 - Published articles in total 145, of which:
 - 16 articles published in ISI journals;
 - 30 articles in ISI proceedings;
 - 11 articles indexed in International Data Base;
 - 16 articles in Romanian journals;
 - 42 articles in international conference proceeding
 - 26 articles in Romanian conference proceedings
 - 4 articles in international technical journals
- Citations**
- 338 in Google Scholar
 - 166 in Scopus
 - 104 in Web of Science
- H-index (since 2013)**
- 9 in Google Scholar
 - 7 in Scopus
 - 5 in Web of Science
- Reviewer**
- Reviewer for 16 international journals:
 - Ed. Elsevier: Engineering Structures, Thin Wall Structure, Journal of Constructional Steel Research, Engineering Failure Analysis, Journal of Cultural Heritage, Structures
 - Ed. Springer: Bulletin of Earthquake Engineering; Journal of Natural Hazards; Earthquake Engineering and Engineering Vibration; International Journal of Concrete Structures and Materials;
 - Ed. Wiley: Structural Concrete – fib journal;
 - Ed. Taylor and Francis: International Journal of Architectural Heritage;
 - Cogent OA: Cogent Engineering
 - MDPI Publishing: Geosciences Open Access Journal;
 - ICE Publishing: Structures and Buildings
 - Reviewer for national and international scientific conferences:
 - PROHITECH '14, "2nd International conference on protection of historical constructions" 2-7 May 2014, Antalia, Turcia, 2014;
 - VANEQS 2013, "International Van earthquake symposium", 23-27 October, Van, Turcia, 2013;
 - RIMA'10, "International Conference in Risk Mngement, Assesment and Mitigation", WSEAS, Bucuresti, 2010;
 - RICH 2014, "2nd International Conference RICH 2014 - Robotics: Innovation for Cultural Heritage", Roma, Italia, 2014;
 - SHATIS'15, 3rd International Conference on Structural Health Assessment of Timber Structures, September 9-11, Wroclaw, Polonia, 2015.
 - MuRiCO5, International Conference "Mechanics of Masonry Structures, strengthened with composite materials - Modeling, testing, design, monitoring, control, 28-30 Iunie, Bolonia, Italia, 2017.
 - SHATIS'17, 4th International Conference on Structural health assessment of timber structures, 20-22 Septembrie 2017, Istanbul, Turcia.
 - PROHITECH'17, 3rd International Conference on Protection of Historical Constructions 12 - 15 Iulie 2017, Lisabona, Portugalia.
 - SEWC 2019, Structural Engineers World Congress; Istanbul, Turcia, 24-26 aprilie 2019.
 - SHATIS'19, International Conference on Structural Health Assessment of Timber Structures, 25-27 septembrie 2019, Guimarões, Portugalia
 - MuRiCo6, Mechanics Of Masonry Structures Strengthened With Composite Materials
 - CoHeSION2018 - International Conference on Heritage and Sustainable Innovation

Presentations within conferences,
symposiums and congresses

- Participation with articles published at scientific communication sessions: 90
 - 35 conference held abroad;
 - 10 international ISI conferences held abroad;
 - 4 international ISI conferences held in Romania
 - 1 national ISI conference
 - 25 international conferences held abroad;
 - 19 conferences held in Romania;
 - 12 national conferences.
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Projects

- Over 150 design projects of bearing structures including over 50 restoration projects of heritage buildings, historic churches, fortresses, archeological sites and vulnerability studies

Research grants

- Scientific research grants: 11;
 - 5 national research grants;
 - 1 contract of design-development;
 - 5 international research grants: coordinating director for Romania – 2; member of the research team – 2

Committees

- Habilitation committee: 1
 - Marcela Florina PRADA – “Contributions in the domain of civil engineering” (09.11.2017)
- Member in PhD evaluation committee: 3
 - György ORBÁN – Analysis and Valuation of the Built Heritage of the Roman Catholic Church in Transylvania as part of the pilgrimage route "Drumul Mariei" (01.10.2013)
 - Riyadh SALHA - Engineering contributions to a future oil-free urban development (01.10.2012)
 - Eleonora Eva PARTENE - Study of the behaviour of masonry walls in seismic testing. Consolidation of masonry walls with polymeric materials (23.11.2018)
 - Gabriela Adela CĂLĂȚAN - Contributions to the implementation of local and traditional solutions in sustainable housing (18.01.2019)

Distinctions

- 3rd prize award by AICPS for the project „City Business Centre Timisoara”;

Affiliations

- Member in the Romanian Association of Structural Design Engineers (A.I.C.P.S.) from 1998;
- Member in the Romanian Association of Engineers (A.G.I.R.) from 1996;
- Member in the Banat Society of Seismic Engineering (S.B.I.S.) from 2002;
- Member in the National Association of Romanian Evaluators (A.N.E.V.A.R.) since 2004;
- Member in the technical support group of the Timis council for emergencies in case of earthquakes since 2010;
- Member in the Technical Committee of Timisoara City Hall 2006 – 2012.
- Member ISCARSAH since 2017
- Secretary in the Romanian Association of Structural Design Engineers (A.I.C.P.S.), Timisoara branch, from 2017.

Timisoara, 06.01.2020

Prof. Habil. Marius MOSOARCA