



**Marius Mosoarca**

## ● EXPERIENȚA PROFESIONALĂ

2020 – ÎN CURS – România

**MEMBRU** – CONSILIUL NAȚIONAL DE ATESTARE A TITLURILOR, DIPLOMELOR SI CERTIFICATELOR UNIVERSITARE (CNATDCU)

2020 – ÎN CURS

**MEMBRU IN COMISIA ZONALA A MONUMENTELOR ISTORICE** – MINISTERUL CULTURII

CZMI nr. 12

2015 – ÎN CURS

**CONDUCATOR DE DOCTORAT IN DOMENIUL INGINERIEI CIVILE** – UNIVERSITATEA POLITEHNICA TIMISOARA

Atestat de abilitare: 4718/11.08.2015

8 doctoranzi cu frecventa, dintre care:

- 2 doctoranzi au finalizat studiile
- 5 doctoranzi din Romania
- 1 doctorand din strainatate (Italia)

2015 – ÎN CURS

**PROFESOR** – UNIVERSITATEA POLITEHNICA TIMISOARA

Activități didactice si de cercetare in domeniile restaurarii cladirilor istorice si proiectarii structurilor portante.

Cursuri predate:

- Proiectarea structurilor 1, licenta, an III
- Proiectarea structurilor 4, licenta, an IV
- Metode de restaurare, licenta, an IV
- Estetica structurilor, licenta, an VI
- Urbanism și amenajarea teritoriului, master UAT, an II
- Estetica structurilor portante istorice, master RRP, an II
- Principii si tehnologii de consolidare a structurilor portante istorice, master RRP, an II
- Vulnerabilitățile și diagnoza structurilor portante istorice, master RRP, an I
- Proiectare de restaurare, master RRP, an II
- Interventii structurale si nestructurale in arhitectura de interior, master TMTN, an I

2013 – 2020 – România

**PRODECAN AL FACULTATII DE ARHITECTURA SI URBANISM** – UNIVERSITATEA POLITEHNICA TIMISOARA

2013 – 2015 – România

**CONFERENTIAR** – UNIVERSITATEA POLITEHNICA TIMISOARA



2003 – 2013 – România

**SEF DE LUCRARI** – UNIVERSITATEA POLITEHNICA TIMISOARA

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1999 – 2003 – România

**ASISTENT UNIVERSITAR** – UNIVERSITATEA POLITEHNICA TIMISOARA

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1989 – 1999 – România

**PREPARATOR** – UNIVERSITATEA POLITEHNICA TIMISOARA

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1998 – ÎN CURS – România

**ADMINISTRATOR** – S.C. H.I. STRUCT S.R.L.

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Timisoara, Strada Ciocarliei, Nr.86, Jud. Timis, cod 300600 Tel/fax: 0256 226277;

[office@histruct.ro](mailto:office@histruct.ro)

Activități și responsabilități principale: Proiectare structuri rezistenta cladiri

1994 – ÎN CURS – România

**ADMINISTRATOR DELEGAT** – S.C. MAISON STYL S.R.L.

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Timisoara, Strada Ciocarliei, Nr.86, Jud.Timis, cod 300600 Tel/fax:0256 226277

Activități și responsabilități principale: Proiectare structuri rezistenta cladiri

1994 – 1995 – România

**INGINER PROIECTANT** – S.C. HIDROTIM S.R.L.

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Activități și responsabilități principale: Proiectare structuri rezistenta cladiri

## ● **EDUCAȚIE ȘI FORMARE PROFESIONALĂ**

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2009 – ÎN CURS

**SPECIALIST (287 S/20.11.2009)** – Ministerul Culturii si Patrimoniului National

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1995 – 2004

**DOCTOR – DISTINCTIA “CUM LAUDAE”** – Universitatea Politehnica Timisoara

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1994

**INGINER** – Universitatea Politehnica Timisoara

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## ● **COMPETENȚE LINGVISTICE**

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**Limbă(i) maternă(e):** ROMANA

**Altă limbă (Alte limbi):**

	COMPREHENSIUNE		VORBIT		SCRIS
	Comprehensiune orală	Citit	Exprimare scrisă	Conversație	
<b>ENGLEZA</b>	B1	B1	B1	B1	B1
<b>FRANCEZA</b>	B1	B1	B1	B1	B1
<b>ITALIANA</b>	A2	B1	B1	B1	A1

Niveluri: A1 și A2 Utilizator de bază B1 și B2 Utilizator independent C1 și C2 Utilizator experimentat

## ● **COMPETENȚE DE COMUNICARE ȘI INTERPERSONALE**

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**Bune competențe de comunicare dobândite prin:**

- experiența de predare și comunicare cu studenții în cadrul Facultății de Arhitectură și Urbanism din Timișoara;
- participări la conferințe naționale și internaționale și alte întâlniri cu teme științifice;
- colaborări cu diverși parteneri naționali și internaționali din proiectare și cercetare

## ● **COMPETENȚE DE MANAGEMENT ȘI CONDUCERE**

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**Prodecan al Facultății de Arhitectură și Urbanism din Timișoara din aprilie 2013**

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**Membru în Consiliul Profesional al Facultății de Arhitectură și Urbanism din anul 2012**

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**Membru în Consiliul de Departament al Facultății de Arhitectură și Urbanism din Timișoara din anul 2012**

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**Membru în Comisia de licență a Facultății de Arhitectură și Urbanism din Timișoara din anul 2010**

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**Membru în Comisia de dizertație a Masterului de urbanism și amenajarea teritoriului din cadrul Facultății de Arhitectură și Urbanism din Timișoara în anul 2013**

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**Membru comisii doctorat din anul 2014**

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**Membru comisii de coordonare doctorat U.P.Timișoara, 2013**

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**Coordonator programe ERASMUS+ cu Universitățile din: Padova (Italia), Catania (Italia), Mons (Belgia), Van (Turcia), Atena (Grecia), Napoli (Italia), Minho (Portugalia), Gaziantep (Turcia), Wrocław (Polonia) din anul 2014**

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**Director coordonator pe România, program de cercetare internațional "Innovative systems for earthquake resistant masonry enclosures in rc buildings" - INSYSME, FP7- SME-2013 -606229, 2013-2016**

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**Director coordonator pe România, program de cercetare internațional COST Action FP1101, Assessment, Reinforcement and Monitoring of Timber Structures in the Management Committee Member - 2014**

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Organizator Workshop international in colaborare cu Universita degli Studi di Padova din Italia: "Seismic Vulnerability of Historical Centers", Timisoara, iulie 2014

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Responsabil din partea U.P.T. a programului de cercetare national: Patrimoniul „ascuns” II. Evidentierea valorilor de patrimoniu ale sarpatelor istorice. Parteneriat Facultatea de Arhitectura Timisoara cu Asociatia Restauratorilor de Monumente Iste

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Director adjunct, "Centrul de Cercetare in Urbanism si Arhitectura", din 2019

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Calitati manageriale ca director la firmele de proiectare in constructii S.C. H.I. STRUCT S.R.L (1998) si MAISON STYL S.R.L. (1994) Timisoara

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Inginer specialist elaborator de studii si cercetari, proiectant de structuri de rezistenta, diriginte de santier, atestat de Ministerul Culturii Cultelor si Patrimoniului National numarul 287 S/20.11.2009

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Inginer Senior - certificat de AICPS Romania

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Editor asociat la conferinta ISI: „Advances in Enviromental and Geological Science and Engineering” EG’10, 2010, Constanta

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Editor „Journal of Architecture, Urbanism and Heritage”, din 2019

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Membru comisie organizare sesiune speciala "Seismic Analysis and Retrofitting of Civil Engineering Structures" in cadrul conderintei internationale 17th International Conference of Numerical Analysis and Applied Mathematics (ICNAAM 2019)

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alaturi de Francesco Clementi, Antonio Formisano si Gabriele Milani

Membru comisie organizare sesiune speciala "Seismic Analysis and Retrofitting of Civil Engineering Structures" in cadrul conderintei internationale 18th International Conference of Numerical Analysis and Applied Mathematics (ICNAAM 2020)

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alaturi de Francesco Clementi, Antonio Formisano si Gabriele Milani

Specialist ISCARSAH din anul 2017

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## ● **COMPETENŢE DIGITALE**

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Microsoft Office | SAP 2000 | AxisVM | AutoCAD 2D - nivel avansat

## ● **PERMIS DE CONDUCERE**

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Permis de conducere: B

## ● **PROFIL CERCETĂTOR**

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Publons

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R-6648-2019



**ORCID**

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<https://orcid.org/0000-0003-4184-5088>

**Google Scholar**

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<https://scholar.google.com/citations?hl=ro&user=c79XitEAAAJ>

**ResearchGate**

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[https://www.researchgate.net/profile/Mosoarca\\_Marius2](https://www.researchgate.net/profile/Mosoarca_Marius2)

● **PUBLICAȚII**

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**Articole in reviste indexate web of science**

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**Failure mechanisms for historical religious buildings in Romanian seismic areas**

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Articole in reviste indexate web of science  
2013

**Marius Mosoarca**, Victor Gioncu, „Failure mechanisms for historical religious buildings in Romanian seismic areas”, Journal of Cultural Heritage, Volume: 14, Issue: 3, pp: E65-E72, Supplement: S, DOI: 10.1016/j.culher.2012.11.018, WOS: 000327013800011, ISSN: 1296-2074, eISSN: 1778-3674, Ed. Elsevier, iunie 2013

**Historical wooden churches from Banat region, Romania. Damages. Modern consolidation solutions**

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Articole in reviste indexate web of science  
2013

**Marius Mosoarca**, Victor Gioncu, „Historical wooden churches from Banat region, Romania. Damages. Modern consolidation solutions”, Journal of Cultural Heritage, Volum: 14, Issue: 3, pp: E45-E59, Supplement: S, DOI: 10.1016/j.culher.2012.11.020, WOS:000327013800009, ISSN: 1296-2074, eISSN: 1778-3674, Ed. Elsevier, iunie 2013

**Structural safety of historical buildings made of reinforced concrete, from Banat region - Romania**

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Articole in reviste indexate web of science  
2013

**Marius Mosoarca**, Victor Gioncu, „Structural safety of historical buildings made of reinforced concrete, from Banat region - Romania”, Journal of Cultural Heritage, Volum: 14, Issue: 3, pp: E29-E34, Supplement: S, DOI: 10.1016/j.culher.2012.11.015, WOS:000327013800006, ISSN: 1296-2074, eISSN: 1778-3674, Ed. Elsevier, iunie 2013

**Environmental impact assessment and evaluation of road construction works in forest ecosystems**

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Articole in reviste indexate web of science  
2013

Kampouris, A, Anastasiadis Anthimos, **Marius Mosoarca** , „Environmental impact assessment and evaluation of road construction works in forest ecosystems”, Journal of environmental protection and ecology, Volum: 14 Issue: 2 pp: 753-760, WOS:000321796500041, ISSN: 1311-5065, IDS Number: 183EG, 2013

**Prediction of available rotation capacity and ductility of wide-flange beams: Part 1:DUCTROT-M computer program**

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Articole in reviste indexate web of science  
2012

Victor Gioncu, **Marius Mosoarca**, Anthimos Anastasiadis, „Prediction of available rotation capacity and ductility of wide-flange beams: Part 1:DUCTROT-M computer program”, Journal of Constructional Steel Research 69, Volum: 69, Issue: 1, pp: 8-19, DOI: 10.1016/j.jcsr.2011.06.014, WOS:000297894100002, ISSN: 0143-974X, Ed. Elsevier, 2012



## **Prediction of available rotation capacity and ductility of wide-flange beams: Part 2: Applications**

---

Articole in reviste indexate web of science  
2012

Anthimos Anastasiadis, **Marius Mosoarca**, Victor Gioncu, „Prediction of available rotation capacity and ductility of wide-flange beams: Part 2: Applications”, Journal of Constructional Steel Research 69, pp. 176-191, doi: 10.1016/j.jcsr.2011.08.007, ISSN: 0143-974X, Ed. Elsevier, 2012

## **Seismic behaviour of reinforced concrete shear walls with regular and staggered openings after the strong earthquakes between 2009 and 2011**

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Articole in reviste indexate web of science  
2013

**Mosoarca Marius**, “Seismic behaviour of reinforced concrete shear walls with regular and staggered openings after the strong earthquakes between 2009 and 2011”, Engineering Failure Analysis, Volume 34, pp: 537-565, ISSN 1350-6307, DOI: 10.1016/j.engfailanal.2013.05.014, Editura Elsevier, 2013

## **Failure analysis of RC shear walls with staggered openings under seismic loads**

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Articole in reviste indexate web of science  
2014

**Marius Mosoarca**, “Failure analysis of RC shear walls with staggered openings under seismic loads”, Engineering Failure Analysis [Volume 41](#), pp: 48-64, DOI: 10.1016/j.engfailanal.2013.07.037, Ed. Elsevier, 2014

## **Local ductility of steel elements under near-field earthquake loading**

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Articole in reviste indexate web of science  
2014

Victor Gioncu, **Marius Mosoarca**, Anastasiadis Anthimos, “Local ductility of steel elements under near-field earthquake loading”, Journal of Constructional Steel Research, [Vol. 101](#), pp 33-52, DOI: 10.1016/j.jcsr.2014.05.001001, ISSN: 0143-974X, Ed. Elsevier, 2014

## **Are free form architectures ecological buildings?**

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Articole in reviste indexate web of science  
2014

**Marius Mosoarca**, Anthimos Anastasiadis, Kampouris Apostolos “Are free form architectures ecological buildings?”, Journal of environmental protection and ecology, vol.15, no.1 pp. 359-366, ISSN 1311-5065, 2014

## **Investigation of the cyclic inelastic capacity of steel beams through the use of the plastic collapse mechanism**

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Articole in reviste indexate web of science  
2014

Anthimos Anastasiadis, **Marius Mosoarca**, Victor Gioncu, “Investigation of the cyclic inelastic capacity of steel beams through the use of the plastic collapse mechanism”, Bulletin of Earthquake Engineering, DOI 10.1007/s10518-014-9665-2, Print ISSN 1570-761X, Ed. Springer, 2014

## **Resilience of historic cities and adaptation to climate change**

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Articole in reviste indexate web of science  
2017

Keller Alexandra, Nicola Chieffo, Edmond Opritescu, **Marius Mosoarca**, Antonio Formisano. “Resilience of historic cities and adaptation to climate change”, Urbanism. Arhitectura. Constructil, Volume: 8, Issue: 1, Pages: 15-26, ISSN: 2069-0509, eISSN: 2069-6469, 2017



### Failure analysis of historical buildings due to climate change

---

Articole in reviste indexate web of science  
2017

**Mosoarca Marius**, Keller Alexandra, Petrus Cristian, Racolta Andrei "Failure analysis of historical buildings due to climate change". Engineering Failure Analysis, Volume: 82, pp. 666-680, <https://doi.org/10.1016/j.engfailanal.2017.06.013>, 2017

### A complex assessment methodology and procedure for historic roof structures

---

Articole in reviste indexate web of science  
2018

**Mosoarca Marius**, Keller Alexandra "A complex assessment methodology and procedure for historic roof structures". International Journal of Architectural Heritage, Volume: 12, Issue: 4, pp. 578-98, 2018

### Seismic vulnerability assessment for the historical areas of the Timisoara city, Romania

---

Articole in reviste indexate web of science  
2019

**Mosoarca, Marius**, Iasmina Onescu, Eugen Onescu, Bianca Azap, Nicola Chieffo, and Mirela Szitar-Sirbu, „Seismic vulnerability assessment for the historical areas of the Timisoara city, Romania”, Engineering Failure Analysis, Volume: 101, pp. 86-112, 2019

### Failure analysis of church towers and roof structures due to high wind velocities

---

Articole in reviste indexate web of science  
2019

**Mosoarca, Marius**; Keller, Alexandra Iasmina; Bocan, Catalina, „Failure analysis of church towers and roof structures due to high wind velocities”, Engineering Failure Analysis, Volume: 100, pp. 76-87, 2019

### Influence of historic roof structures on the seismic behaviour of masonry structures

---

Articole in reviste indexate web of science  
2019

Keller Alexandra, Parisi Maria Adelaide, Tsakanika Eleftheria, **Mosoarca Marius**, "Influence of historic roof structures on the seismic behaviour of masonry structures", Proceedings of the Institution of Civil Engineers-Structures and Buildings, ICE Virtual Library, vol 174, pp. 443-456, 2019.

### Seismic vulnerability assessment methodology for historic masonry buildings in the near-field areas

---

Articole in reviste indexate web of science  
2020

**Mosoarca, Marius**; Onescu, Iasmina; Onescu, Eugen; Anastasiadis, Anthimos, "Seismic vulnerability assessment methodology for historic masonry buildings in the near-field areas", Engineering Failure Analysis, Volume: 115, pp. 86-113, 2020

### Articole la conferinta indexate web of science

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#### Optimal design of steel structures for multi-level criteria

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Articole la conferinta indexate web of science  
2003

Truta M., **Mosoarca M.**, Gioncu V., Anastasiadis A., „Optimal design of steel structures for multi-level criteria”, STESSA: Behaviour of Steel Structures in Seismic Areas, pp. 63-69, Ed. Taylor&Francis Group, WOS:000183623700009, ISBN: 90-5809-577-0, Naples, Italy, 2003



## Behaviour of steel MRFs subjected to near-fault ground motions

---

Articole la conferinte indexate web of science  
2006

Janos Gergely, Victor Gioncu , **Marius Mosoarca**, "Behaviour of steel MRFs subjected to near-fault ground motions", STESSA: Behaviour of Steel Structures in Seismic Areas, pp.129-136, Ed. F. M. Mazzolani, A. Wada,, Ed. Taylor&Francis Group, ISBN: 0-415-40824-5, WOS: 000242847900018, Yokohama, Japonia, 2006

## Historical wood bearing structures. Structural deficiencies and consolidation solutions for churches located in Banat county, Romania

---

Articole la conferinte indexate web of science  
2012

**Marius Mosoarca**, Victor Gioncu, Voicu Fodor, „Historical wood bearing structures. Structural deficiencies and consolidation solutions for churches located in Banat county, Romania”, Structural Analysis of Historical Constructions, SAHC, vol 1-3, pp: 1231-1239, WOS:000321224300137, ISBN: 978-83-7125-216-7, IDS Number: BFT31- J. Jasienko (ed.), 2012, DWE, ISSN: 0860-2395, Wroclaw, Polonia, 2012

## Failure mechanism of orthodox churches situated in seismic areas in Romania

---

Articole la conferinte indexate web of science  
2012

**Mosoarca Marius**, Gioncu Victor, Failure mechanism of orthodox churches situated in seismic areas in Romania, Structural analysis of historical constructions, SAHC, Vol 1-3, Ed. J. Jasienko , pp: 1656-1664, WOS:000321224300186, ISBN: 978-83-7125-216-7, IDS Number: BFT31, ISSN: 0860-2395, Wroclaw, 2012

## New aspects concerning the ductility of steel members

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Articole la conferinte indexate web of science  
2012

Anastasiadis Anthimos, **Mosoarca Marius**, Gioncu Victor, „New aspects concerning the ductility of steel members”, STESSA 2012: Proceedings of the 7th international conference on behaviour of steel structures in seismic areas, Eds.: Mazzolani, F; Herrera, R, pp: 455-461, WOS:000300400100064, ISBN: 978-0-415-62105-2, IDS Number: BYU49, Santiago, Chile, 2012

## Seismic environments and earthquake engineering

---

Articole la conferinte indexate web of science  
2010

**Mosoarca Marius**, Gioncu Victor, „Seismic environments and earthquake engineering”, Advances in environmental and geological science and engineering, International Conference on Environmental and Geological Science and Engineering- Proceedings, pp: 186-191, WOS:000302000200035, ISBN: 978-960-474-221-9, ISSN: 1792-4685, IDS Number: BZM15, Constanta, 2010

## Reconversion of a damaged industrial building using FRP

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Articole la conferinte indexate web of science  
2009

**Mosoarca Marius**, Gioncu Victor, „Reconversion of a damaged industrial building using FRP”, Protection of historical buildings - PROHITECH 09, vol. 1 si 2, Ed.: Mazzolani, FM, pp: 605-610, WOS:000280544200092, ISBN: 978-0-415-55803-7, IDS Number: BQB06, Roma, 2009

## Ultimate limit state of masonry historical buildings using collapse mechanism methodology: Application for Orthodox churches, Protection of historical buildings

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Articole la conferinte indexate web of science  
2009

Gioncu Victor, **Mosoarca Marius**, „Ultimate limit state of masonry historical buildings using collapse mechanism methodology: Application for Orthodox churches, Protection of historical buildings - PROHITECH 09, vol. 1 si 2, Ed.: Mazzolani, FM, pp: 1153-1158, WOS:000280544200178, ISBN: 978-0-415-55803-7, IDS Number: BQB06, Roma, 2009





### Strengthening of building by modification of structural system

---

Articole la conferinte indexate web of science  
2009

**Mosoarca Marius**, Gioncu Victor, "Strengthening of building by modification of structural system", pg. 1287-1292, Protection of historical buildings - PROHITECH 09, pp: 1287-1292, WOS:000280544200199, ISBN: 978-0-415-55803-7, IDS Number: BQB06, Roma, 2009

### Strengthening of a historical apartment building by the insertion of steel seismic-resistant

---

Articole la conferinte indexate web of science  
2009

**Mosoarca Marius**, Gioncu Victor, Niculescu Marius "Strengthening of a historical apartment building by the insertion of steel seismic-resistant", Protection of historical buildings - PROHITECH 09, Ed: Mazzolani, FM, pp: 1335-1340, WOS: 000280544200206, ISBN: 978-0-415-55803-7, IDS Number: BQB06, Roma, 2009

### Proposal for increasing the ductility of steel structures

---

Articole la conferinte indexate web of science  
2009

Victor Gioncu, **Mosoarca Marius**, Anastasiadis Anthimos, "Proposal for increasing the ductility of steel structures", pp. 679-684, Behaviour of steel structures in seismic areas, STESSA august 2009, ISBN-13:978-0-415-56326-0; CRC Press, Taylor & Francis Group, Ed.: Mazzolani, FM; Ricles, JM; Sause, R, pp: 679-684, WOS: 000290361200098, ISBN: 978-0-415-56326-0, IDS Number: BUU26, Philadelphia, USA, 2009

### The recovered beauty.restauration and reconversion of the roman - catholic church of Bobda, Romania

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Articole la conferinte indexate web of science  
2012

Ioan Andreescu, **Marius Mosoarca**, "The recovered beauty.restauration and reconversion of the roman - catholic church of Bobda, Romania", Structural Analysis of Historical Constructions, Ed. J. Jasienko, SAHC 2012, ISSN: 0860-2395, ISBN: 978-83-7125-216-7, pp. 1361-1369, Wroclaw, Polonia, 2012

### Innovative system for consolidation of historical few storey masonry buildings situated in seismic areas

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Articole la conferinte indexate web of science  
2012

**Marius Mosoarca**, "Innovative system for consolidation of historical few storey masonry buildings situated in seismic areas", Structural Analysis of Historical Constructions, Ed. J. Jasienko, SAHC 2012, ISSN: 0860-2395, ISBN: 978-83-7125-216-7, pp. 1647-1655, Wroclaw, Polonia, 2012

### Urban complex renewal of the historic city of Ciacova, Romania

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Articole la conferinte indexate web of science  
2012

Ioan Andreescu, **Marius Mosoarca**, "Urban complex renewal of the historic city of Ciacova, Romania", Structural Analysis of Historical Constructions, SAHC 2012, Ed. J. Jasienko, ISSN: 0860-2395, ISBN: 978-83-7125-216-7, pp. 2597-2604, Wroclaw, Polonia, 2012

### Conservation and reuse of historical industrial buildings, Case study Fabric neighborhood, Timisoara, Romania

---

Articole la conferinte indexate web of science  
2012

Radu Radoslav, **Marius Mosoarca**, Ana-Maria Branea, M. Stelian Gaman, "Conservation and reuse of historical industrial buildings, Case study Fabric neighborhood, Timisoara, Romania", Structural Analysis of Historical Constructions, SAHC 2012, Ed. J. Jasienko, ISSN: 0860-2395, ISBN: 978-83-7125-216-7, pp. 2760-2769, Wroclaw, Polonia, 2012



## Seismic energy dissipation in structural reinforced concrete walls with staggered openings, journal of applied engineering sciences

---

Articole la conferinte indexate web of science  
2012

**Mosoarca Marius**, Stoian Valeriu, [SEISMIC ENERGY DISSIPATION IN STRUCTURAL REINFORCED CONCRETE WALLS WITH STAGGERED OPENINGS](#), JOURNAL OF APPLIED ENGINEERING SCIENCES, Volume 2, Issue 1, pp: 71-78, 2012

## The valorisation of historical sites through architectural interventions

---

Articole la conferinte indexate web of science  
2012

Narita Alina-Maria, **Mosoarca Marius**, [THE VALORISATION OF HISTORICAL SITES THROUGH ARCHITECTURAL INTERVENTIONS](#), JOURNAL OF APPLIED ENGINEERING SCIENCES, Volume 2, Issue 2, pp: 69-76, 2012

## The hidden gem

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Articole la conferinte indexate web of science  
2013

Andreescu Ioan, Gaivoronschi Vlad Alexandru, **Marius Mosoarca**, „The hidden gem”, Advances Materials Research, Vol 778, pp: 880-887, Trans Tech Publications, Switzerland, doi:10.4028/www.scientific.net/AMR.778.880, 2013

## Behavior of Historic Buildings in Zones with Moderate Seismic Activity. Case Study: Banat Region, Romania.

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Articole la conferinte indexate web of science  
2016

Narita, Alina, **Marius Mosoarca**, Claudio Modena, Francesca da Porto, Marco Munari, Sabrina Taffarel, Claudia Marson, Claudia Valotto, and Margherita Roverato, "Behavior of Historic Buildings in Zones with Moderate Seismic Activity. Case Study: Banat Region, Romania." Procedia Engineering Volume: 161, pp. 729-737, <http://dx.doi.org/10.1016/j.proeng.2016.08.754>, 2016

## Complex Assessment of Roof Structures

---

Articole la conferinte indexate web of science  
2016

Andreescu, Ioan, Alexandra Keller, **Marius Mosoarca**. "Complex Assessment of Roof Structures." Procedia Engineering Volume 161, pp: 1204-1210, <http://dx.doi.org/10.1016/j.proeng.2016.08.542>, 2016

## Old and New—the Complex Problem of Integrating New Functions into Old Building

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Articole la conferinte indexate web of science  
2016

Andreescu, Ioan, Vlad Gaivoronsch, **Marius Mosoarca**. "Old and New—the Complex Problem of Integrating New Functions into Old Building." Procedia Engineering Volume: 161, pp: 1103-1108, <http://dx.doi.org/10.1016/j.proeng.2016.08.513>, 2016

## Seismic vulnerability maps of Timisoara historical center based on fragility curves

---

Articole la conferinte indexate web of science  
2016

Taffarel Sabrina, Marson Claudia, Valotto Claudia, Roverato Margherita, Munari Marco, da Porto Francesca, Modena Claudio, **Mosoarca Marius**, "Seismic vulnerability maps of Timisoara historical center based on fragility curves". In SAHC 2016\_10th International Conference on Structural Analysis of Historical Constructions. Leuven, Belgium, CRC Press, Taylor and Francis Group, 1605-1612, 2016.



### **Urban valorization of a military heritage building. Case study: City Business Center, Timisoara**

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Articole la conferinte indexate web of science  
2016

**Mosoarca Marius**, Gaivoronschi Vlad, Andreescu Ioan, Stoian Valeriu "Urban valorization of a military heritage building. Case study: City Business Center, Timisoara" In SAHC 2016\_10th International Conference on Structural Analysis of Historical Constructions. Leuven, Belgium, CRC Press, Taylor and Francis Group, 1627-1634, 2016

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**Marius Mosoarca**, Victor Gioncu<sup>†</sup>, Anthimos Anastasiadis, Cristian Petrus, "Applications of the Consolidation Methods Developed in the "PROHITECH" Research Program. Consolidation of Historic Wood Churches from Banat Seismic Region, Romania", PROHITECH'14 - Proc. of 2<sup>nd</sup> International conference on Protection of Historical Constructions, Ed.: F.M. Mazzolani, G. Altay, ISBN : 978-975-518-361-9, pp.681-6877, Antalya, Turcia, mai 2014



### Seismic Failure Modes Developed by Romanian Orthodox Churches

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### Seismic Vulnerability Assessment of Historical Masonry Complex Buildings of Banat Region, Romania

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### Historic bearing structures. Synagogues in Timisoara. Structural degradation

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2013

**Mosoarca Marius**, Victor Gioncu, "Historic bearing structures. Synagogues in Timisoara. Structural degradation", in Conf. proc. 6<sup>th</sup> International Congress on "Science and technology for the safeguard of cultural heritage in the Mediterranean Basin", ISBN: 978-88-97987-01-7, pp. 70, Atena, Grecia, 22-25 octombrie 2013

### Reinforcement of historic multi storey bearing structures with braced metal tubes

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Volumele unor manifestari stiitifice din strainatate (simpozioane, conferinte)

2013

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### New factors influencing the failure mechanisms of reinforced concrete buildings located in seismic areas

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Volumele unor manifestari stiitifice din strainatate (simpozioane, conferinte)

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Volumele unor manifestari stiitifice din strainatate (simpozioane, conferinte)

2013

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Volumele unor manifestari stiitifice din strainatate (simpozioane, conferinte)

2014

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### Seismic risk of buildings with RC frames and masonry infills from Timisoara, Banat Region, Romania

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2014

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### Cyclic in-plane experimental tests for evaluation of shear capacity of brick masonry walls

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Volumele unor manifestari stiitifice din strainatate (simpozioane, conferinte)  
2014

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### Complex system of wooden pile foundation for the lock from Timisoara fortress

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Volumele unor manifestari stiitifice din strainatate (simpozioane, conferinte)  
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### Wood, the originary matter through which the etnographical area of Faget has been defined, today in danger to be lost. Caste study: Crivina de Sus village

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## Influence of roof structures on seismic behavior of historic buildings

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## Multi-criterial vulnerability assessment for Timisoara city, Romania

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Volumele unor manifestari stiitifice din Romania (simpozioane, conferinte)  
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### **Reinforced concrete frames with masonry infills. Damages and consolidation measures**

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### **Calculul peretilor din beton armat consolidate cu composite**

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Stoian V., Nagy-Gyorgy T., Daescu C., Dan D., **Mosoarca Marius**, Diaconu D., Sas D., “Composite polimerice pentru reabilitari seismice-studii si cercetari”, Conferinta Nationala de Inginerie Seismica III, Bucuresti, 2005

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2000

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Lazea Lucian, **Mosoarca Marius**, Gioncu Victor, , "Consolidarea Manastirii Sf.Gheorghe Birda-Jud.Timis" "Zilele Academiei Timisene, Editia a VIII-a, Simpozion "Materiale, elemente si structuri composite/compuse pentru constructii", Ed. Mirton, Timisoara, 24-25 mai, 2001

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Victor Gioncu, **Mosoarca Marius**, Alina Brateanu, "Complexul de birouri City Business Centre" Timisoara", pp. 251-262, Realizari si preocupari actuale in ingineria constructiilor metalice, Lucrarile celei de-a 12-a Conferinta Nationale de Constructii Metalice, Editura Orizonturi Universitare Timisoara, ISBN: 978-973-638-464-6, Timisoara, 26-27 noiembrie 2010

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Volumele unor manifestari stiitifice din Romania (simpozioane, conferinte)  
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● **CONFERINȚE ȘI SEMINARE**

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Membru in comitetele stiintifice a 12 congrese internationale

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Participarea cu articole stiintifice la 90 de comunicari stiintifice

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Participarea la 35 conferinte desfasurate in strainatate

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Participarea la 10 conferinte internationale cotate ISI

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Participarea la 4 conferinte internationale desfasurate in Romania

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Participarea la 1 conferinta nationala codata ISI

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Participarea la 12 conferinte nationale

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Organizator sesiune speciala in cadrul International Conference of Numerical Analysis and Applied Mathematics 2020 (ICNAAM 2019)

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Organizator sesiune speciala in cadrul International Conference of Numerical Analysis and Applied Mathematics 2020 (ICNAAM 2020)

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● **CITARI**

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Citari ale lucrarilor stiintifice

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441 in Google Scholar  
230 in Scopus  
152 in Web of Science



## ● RECENZII

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### Recenzor pentru jurnale internationale

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#### Editura Elsevier:

- Engineering Structures - 1 articol stiintific recenzat (2014)
- Thin Wall Structure - 1 articol stiintific recenzat (2013)
- Engineering Failure Analysis - 2 articole stiintifice recenzate (1 in 2012, 1 in 2017, 4 in 2018, 4 in 2019, 1 in 2020)
- Journal of Cultural Heritage - 2 articole stiintifice recenzate (1 in 2015, 1 in 2017)
- Structures - 2 articole stiintifice recenzate (1 in 2019, 2 in 2020, 1 in 2021)
- Journal of Building Engineering - 6 articole stiintifice recenzate (2 in 2020, 4 in 2021)
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#### Editura Springer

- Bulletin of Earthquake Engineering - 2 articole stiintifice recenzate (1 in 2014, 1 in 2015)
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- Earthquake Engineering and Engineering Vibration - 1 articol stiintific recenzat (2015)
- International Journal of Concrete Structures and Materials - 1 articol stiintific recenzat (2014)

#### Editura Wiley

- Structural Concrete – fib journal - 1 articol stiintific recenzat (2013)

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- International Journal of Architectural Heritage - 7 articole stiintifice recenzate (1 in 2014, 1 in 2018, 3 in 2019, 2 in 2020)
- European Journal of Environmental and Civil Engineering - 1 articol stiintific recenzat (2014)

#### Alte edituri:

- Cogent Engineering - 1 articol stiintific recenzat (2016)
- WSEAS - 1 articol stiintific recenzat (2012)
- Journal of Scientific Research and Essays - 1 articol stiintific recenzat (2013)
- International Journal of Masonry Research and Innovation - 1 articol stiintific recenzat (2020)
- Geosciences - recenzor - 1 articol stiintific recenzat (2018)
- Buildings - recenzor - 2 articole stiintifice recenzate (2 in 2020)

### Recenzor pentru manifestari stiintifice internationale

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- International Conference in Risk Management, Assessment and Mitigation RIMA, 2010
- 3rd European Conference on Civil Engineering ECCIE, 2012
- International Van earthquake symposium VANEQS, 2013
- 2nd International conference on protection of historical constructions PROHITECH, 2014
- 2nd International Conference RICH 2014 - Robotics: Innovation for Cultural Heritage, 2014
- 3rd International Conference on Structural Health Assessment of Timber Structures SHATIS, 2015
- International Conference on Mechanics of Masonry Structures Strengthened with Composite Materials MURICO5, 2017
- 3rd International Conference on Protection of Historical Constructions PROHITECH, 2017
- 4th International Conference on Structural Health Assessment of timber structures SHATIS, 2017
- International Conference on Heritage and Sustainable Innovation CoHeSION, 2018
- 5th International Conference on Structural Health Assessment of timber structures SHATIS, 2019
- Structural Engineers World Congress SEWC, 2019
- International Conference on Mechanics of Masonry Structures Strengthened with Composite Materials MuRiCO6, 2019
- 12th International Conference on Structural Analysis of Historical Constructions SAHC, 2020

## ● MEMBRU IN COMITETE EDITORIALE

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### Comitete editoriale ale unor jurnale stiintifice

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- American Journal of Civil Engineering, ISSN 2330-8737- Editorial Board member
- Constructii Journal, ISSN 2247-0328 - Editorial Board member
- International Journal of Architecture, Urbanism and Heritage, ISSN 2668-2249 - Executive Editor
- Frontiers in Built Environment, Open Acces Journal - Review Editor



## Comitete ale unor manifestari stiintifice internationale

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- International Conference in risk management, assessment and mitigation RIMA, 2010
- International Van earthquake symposium VANEQS, 2013
- Zilele Academice Timisoara, Facultatea de Arhitectura, 2014
- 2nd International Conference on protection of historical constructions PROHITECH, 2014
- 2nd International Conference in Robotics: Innovation for Cultural Heritage RICH, 2014
- 3rd International Conference on Structural Health Assessment of Timber Structures SHATIS, 2015
- International Conference on Mechanics of Masonry Structures strengthened with composite materials MuRICO, 2017
- 4th International Conference on Protection of Historical Constructions PROHITECH, 2017
- Structural Engineers World Congress SEWC, 2019
- 4th International Conference on Structural Health Assessment of Timber Constructions SHATIS, 2019

## ● COMISII STIINTIFICE

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### Membru in comisii stiintifice: 10

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Membru in comisii de abilitare: 1  
Membru in comisii de doctorat: 6 in Romania si 1 in Italia  
Presedinte comisie de doctorat: 2

## ● CONTRACTE DE CERCETARE

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### Contracte de cercetare stiintifica: 11

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5 contracte de cercetare nationale;  
1 contract de proiectare – dezvoltare;  
5 contracte de cercetare internationale din care: director responsabil de contract pentru Romania: 2, membru in echipa de cercetare: 3;

## ● DISTINȚII ONORIFICE ȘI PREMII

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### Premii

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Premiul 3, decernat de AICPS pentru proiectul "City Business Centre Timisoara", 2008;  
Premiu „Best poster award” decernat in cadrul conferintei „ International Conference on Engineering Failure Analysis” acordat pentru posterul articolului „„Seismic vulnerability assessment for the historical areas of the Timisoara city, Romania”, autori Mosoarca, Marius, Iasmina Onescu, Eugen Onescu, Bianca Azap, Nicola Chieffo, si Mirela Szitar-Sirbu

## ● REȚELE ȘI AFILIERI

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### Afilieri

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Membru în Asociația Inginerilor Constructori Proiectanți de Structuri (A.I.C.P.S.) din anul 1998;  
Membru în Asociația Generală a Inginerilor din România (A.G.I.R.) din anul 1996;  
Membru în Societatea Bănățeană de Inginerie Seismică (S.B.I.S.) din anul 2002;  
Membru Asociația Nationala a Evaluatorilor din Romania (A.N.E.V.A.R.) din anul 2004;  
Membru in Comisia Tehnica din Mitropolia Banatului, Timisoara din anul 2010;  
Membru in Grupul de suport tehnic al Institutiei Prefectului jud. Timis pentru situatii de urgenta in caz de seism din anul 2010-2012;  
Membru in Comisia Tehnica Primaria Municipiului Timisoara 2006-2012.  
Membru ISCARSAH din anul 2017  
Secretar AICPS Filiala Timisoara din anul 2017



## ● PROIECTE

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### Sef de proiect sau membru in echipa de proiectare

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- Peste 150 de proiecte de executie structuri de rezistenta, dintre care peste 50 de proiecte de restaurare a cladirilor istorice, precum monumente de importanta nationala si regionala, biserici, cetati si situri arheologice
- Multiple studii de vulnerabilitate realizate