

CURRICULUM VITAE ANNEX

A. AFFILIATIONS

A.1 Professional associations

- Secretary in the Romanian Association of Engineers Designers of Structures (A.I.C.P.S.) Timisoara branch, from 2017;
- Member in the International Scientific Committee on the Analysis and Restoration of Structures of Architectural Heritage (ISCARSAH), from 2017;
- Member in the Romanian Association of Engineers Designers of Structures (A.I.C.P.S.), from 1998;
- Member in the General Association of Romanian 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.) from 2004;
- Certified specialist for the Ministry of Culture, from 2009;

A.2 Technical committees

- Member in the Technical Committee of the Banat Metropolitan Church, Timisoara from 2010;
- Member in the Technical support group of the Timis council prefect for seismic emergency cases, between 2010-2012;
- Member in the Technical Committee of the Timisoara City Hall, between 2006-2012;

A.3 International scientific committees

- **PROHITECH '14**, “2nd International conference on protection of historical constructions” 2-7 May 2014, Antalya, Turkey, 2014;
- **VANEQS 2013**, “International Van earthquake symposium”, 23-27 October, Van, Turkey, 2013;
- **RIMA'10**, “International Conference in Risk Management, Assessment and Mitigation”, WSEAS, Bucuresti, 2010;
- **RICH 2014**, “2nd International Conference RICH 2014 - Robotics: Innovation for Cultural Heritage”, Roma, Italy, 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 June, Bologna, Italy, 2017.
- **SHATIS'17**, 4th International Conference on Structural health assessment of timber structures, 20-22 September 2017, Istanbul, Turkey.
- **PROHITECH'17**, 3rd International Conference on Protection of Historical Constructions 12 - 15 July 2017, Lisbon, Portugal.

A.4 Editorial committees of some national / international journals

1. Recenzor articol pentru Bulletin of Earthquake Engineering (impact factor 1,368 in 2013) Ed. Springer, martie, 2014;

2. Recenzor articol pentru Structural Concrete (impact factor 0,857 in 2013) Ed. Ernst&Sohn Wiley Brand, iunie 2013;
3. Recenzor articol pentru Journal of Engineering Failure Analysis (impact factor 1,130 in 2013), Ed. Elsevier, 2012;
4. Recenzor articol pentru Journal Scientific Research and Essays (impact factor 0,32), 2013;
5. Reviewer for: Thin Walled Structures (impact factor 1.432 in 2013), Ed. Elsevier, septembrie 2013;
6. Reviewer for Engineering Structure (impact factor 1.767 in 2013), Ed. Elsevier, decembrie 2013;
7. Reviewer for World Scientific and Engineering Academy and Society, Februarie 2012;
8. Reviewer for International Journal of Architectural Heritage, (impact factor 0,375 in 2012), iunie 2014;
9. Reviewer for European Journal of Environmental and Civil Engineering, (2013 Impact Factor: 0.437), iunie 2014.
10. Reviewer for Materials and Design, (2013 Impact Factor: 3.171, Ed. Elsevier, februarie 2015.
11. Reviewer for Journal of Cultural Heritage, (2013 Impact Factor: 1.111), Ed. Elsevier, februarie 2015.
12. Reviewer for Earthquake Engineering and Engineering Vibration, (2015 Impact Factor: 0.729, Ed. Springer, octombrie 2015.
13. Reviewer for International Journal of Concrete Structures and Materials, (2014 Impact Factor: 1.019), Ed. Springer, noiembrie 2015.
14. Reviewer for Journal of Natural Hazards (Impact factor 1.719), Ed. Springer, aprilie 2016.
15. Reviewer for International Journal of Concrete Structures and Materials, (2014 Impact Factor: 1.019), Ed. Springer, mai 2016.
16. Reviewer for Cogent Engineering, mai 2016.
17. Reviewer for Engineering Failure Analysis, Ed. Elsevier, ianuarie 2017.
18. Reviewer for International Conference on Mechanics of Masonry Structures Strengthened with Composite Materials (MURICO 5), martie 2017.
19. Reviewer for Materials and Design, 2015
20. Reviewer for Journal of Cultural Heritage, 2015
21. Reviewer for Earthquake Engineering and Engineering Vibration, 2015
22. Reviewer for International Journal of Concrete Structures and Materials, 2015
23. Reviewer for Cogent Engineering, 2016
24. Reviewer for Journal of Engineering Failure Analysis, Elsevier, 2017
25. Reviewer for Journal of Architectural Heritage, Ed. Taylor and Francis, 2017
26. Reviewer for PROHITECH' 17, 3rd International Conference on Protection of Historical Constructions 12 - 15 Iulie 2017, Lisabona, Portugalia
27. Reviewer for SHATIS' 17, 4th International Conference on Structural health assessment of timber structures, 20-22 Septembrie 2017, Istanbul, Turcia
28. Reviewer for Journal of Engineering Failure Analysis, Elsevier, 2018
29. Reviewer for Geosciences, 2018
30. Reviewer for Journal of Architectural Heritage, Ed. Taylor and Francis 2018
31. Reviewer for International Conference on Structural Health Assessment of Timber Structures, 25-27 septembrie 2019, Guimarães, Portugalia
32. Reviewer for SEWC 2019, Structural Engineers World Congress; Istanbul, Turcia, 24-26 aprilie 2019.
33. Reviewer for Journal of Engineering Failure Analysis, Elsevier, 2019
34. Reviewer for Journal of Architectural Heritage, Ed. Taylor and Francis 17.05.2019
35. Reviewer for Journal of Architectural Heritage, Ed. Taylor and Francis 03.08.2019
36. Reviewer for Structures and Buildings, ICE Publishing, 2019
37. Reviewer for Structures, Editura Elsevier, 28.10.2019
38. Reviewer for Journal of Engineering Failure Analysis, Editura Elsevier, 04.11.2019

B. GRANTS, PROGRAMS

C.1 International grants

1. PROHITECH-WP 9 Development of Calculation Models, Prohitech – Earthquake Protection of Historical Buildings by Reversible Mixed Technologies – member in the research team;
2. CAMUS III INTERNATIONAL BENCHMARK, TMR-ECOEST2 and ICONS Post-FramCoS-4 Workshop “ Seismic loading effect on structural walls” American Concrete Institute ACI, 2001 – member in the research team;

3. INSYSME – „Innovative systems for earthquake resistant masonry enclosures in RC buildings”, Grant no: 606229, FP7-SME-2013, - coordinator for Romania, 2013-2016;
4. FP COST Action FP1101, “Assessment, Reinforcement and Monitoring of Timber Structures in the Management Committee Member”- coordinator for Romania, 2014.

B.2 National grants

1. Research contract CNCSIS-GRANT TIP A Contract 33501/2002 - Tema 48, Cod CNCSIS 117 “New method in the design of structural reinforced concrete elements” Beneficiar- Ministerul Educatiei, Cercetariisi Tineretului, Consiliul National al Cercetarii Stiintifice din Invatamantul Superior, cercetare in cadrul Universitatii “Politehnica” Timisoara, Facultatea de Constructiisi Arhitectura, Departamentul C.C.I.A., January 2004;
2. Research contract CNCSIS-GRANT TIP A Contract 33550/2003-Tema 30-COD CNCSIS 31 – “New method in the design of structural reinforced concrete elements. Experimental research.” Beneficiar- Ministerul Educatiei, Cercetariisi Tineretului, Consiliul National al Cercetarii Stiintifice din Invatamantul Superior, cercetare in cadrul Universitatii “Politehnica” Timisoara, Facultatea de Constructiisi Arhitectura, Departamentul C.C.I.A., January 2004;
3. Research contract CNCSIS-GRANT TIP A Contract 40535/2003 - Tema 4, Cod CNCSIS 489: “Alternative design methods for structural reinforced concrete elements. Theoretical research. Final research report” Beneficiar- Ministerul Educatiei, Cercetariisi Tineretului, Consiliul National al Cercetarii Stiintifice din Invatamantul Superior, cercetare in cadrul Universitatii “Politehnica” Timisoara, Facultatea de Constructiisi Arhitectura, Departamentul C.C.I.A., Martie 2005;
4. Contract 32940/2004-Tema 4-COD CNCSIS 489– “Final research report” Beneficiar- Ministerul Educatiei, Cercetariisi Tineretului, Consiliul National al Cercetarii Stiintifice din Invatamantul Superior, cercetare in cadrul Universitatii “Politehnica” Timisoara, Facultatea de Constructiisi Arhitectura, Departamentul C.C.I.A., Martie 2005;
5. Contract nr. 658/11.06.2001 ANSTI 1A25/2001 – Contract “Anti-seismic protection of buildings – modern methods for the increase of ductility of steel constructions”, faza A25.1 – Metode practice de verificare a ductilitatii structurilor metalice in zone cu seisme de suprafata. Beneficiar: INCERC Timisoara, 2001;
6. Contract nr. BC 92/13.09.2011, no.4423, „Technical expertise, building services project, design consultancy for the historic structure and vulnerability of the Ciacova Administrative Palace building, no. 2 Cetatii Square, Timis County, Romania”, contract intre Universitatea Politehnica Timisoara, si Primaria Orasului Ciacova, Judetul Timis, Romania.

B.3 Other programs

1. L’ Ecole Normale Superieure de Paris – Bachelor paper - Program Tempus 1994;
2. Participant "SEISMIC RESISTANT STEEL STRUCTURES: PROGRESS AND CHALLENGE" course CISM Udine, Italy, 1999;
3. Lector and summer course assistant in the field of historic buildings restoration under UNESCO VENEȚIA, organized by the Architecture Department from Timisoara in: 2001, 2002, 2003, 2004;
4. Organizer workshop: “Hidden” Heritage II. Highlighting the heritage values of historic roof framing systems, Financed by the National Heritage Administration Fund;
5. Organizer Workshop international in collaboration with University of Padova, Italy: “Seismic Vulnerability of Historical Centers”, Timisoara, 14-15 July 2014.

C. PUBLICATIONS

C.1 Technical books from foreign publishing houses

1. **Mosoarca Marius**, Ancuta Rotaru, -Associate Editor ISI Proceedings: “Advances in Environmental and Geological Science and Engineering”, 3rd International Conference, EG’10, Constanta, Published by WSEAS Press, ISSN: 1792-4685; ISBN: 978-960-474-221-93-5, September, 2010;
2. **Mosoarca Marius**, Victor Gioncu, FP6 PROHITECH project: “Volume 5: Chapter 4.2: Overview of collapse modes and evaluation of bearing capacity in Volume: Earthquake protection of historical buildings by reversible mixed technologies - Seismic protection of historical buildings: calculation models, pp.245-277, F. M. Mazzolani - General coordinator; Ed. Polimetrica International Scientific, ISBN: 978-88-7699-169-6, 2012;
3. **Mosoarca Marius**, FP6 PROHITECH project: “Volume 1: Intervention strategies for the seismic protection of historical building heritage in the Mediterranean basin” – Ed. Polimetrica, ISBN: 978-88-7699-169-1, 2012;

4. Nagy-Gyorgy Tamas, Stoian Valeriu, **Mosoarca Marius**, PavlouDimitrios, Dan Daniel, Experimental study on reinforced concrete shear walls retrofitted with CFRP composites, Computational & Experimental Analysis of Damaged Materials, Kerala, India, ISBN: 86-7892-016-5, pp.155-167, 2007

C.2 Technical books from Romanian publishing houses

1. **Mosoarca Marius**, Valeriu Stoian, “Contributions for the design and composition of reinforced concrete structural walls”, Editura Politehnica Timisoara, 2013, ISBN: 978-606-554-648-6;
2. **Mosoarca Marius** “Profile of a civil engineer. Victor Gioncu at seventy”, 387 pages, Editura Orizonturi Universitare, Timisoara, 2004, ISBN: 973-638-118-8;
3. “Victor Gioncu – The Generous Maestro”, 128 pages, Editura Orizonturi Universitare, Timisoara, 2014, ISBN: 978-973-638-561-2

C.3 Courses in electronic format (Faculty of Architecture and Urban Planning Timisoara)

1. **Mosoarca Marius** “Design of structures with reinforced concrete structural walls”, Ed. Mirton, ISBN: 978-973-52-0589-8, Timisoara, 2009;
2. **Mosoarca Marius**, V. Gioncu, “Anti-seismic architecture”, course an. V, sem.2, U.P. Timisoara, 2010;
3. **Mosoarca Marius**, V. Gioncu, A. Anastasiadis, “Aesthetics of structures”, course an. VI, sem.1. U.P. Timisoara, 2014;

C.4 Articles in journals with ISI quotation

1. **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;
2. **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;
3. **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.
4. 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;
5. 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;
6. 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;
7. **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;
8. **Marius Mosoarca**, “Failure analysis of RC shear walls with staggered openings under seismic loads”, Engineering Failure Analysis Volum 41, pp: 48-64, DOI: 10.1016/j.engfailanal.2013.07.037, Ed. Elsevier, 2014;
9. 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;
10. **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;

11. 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.
12. Keller Alexandra, Nicola Chieffo, Edmond Opritescu, **Marius Mosoarca**, Antonio Formisano. "Resilience of historic cities and adaptation to climate change", Urbanism. Arhitectura. ConstructiI, Volume: 8, Issue: 1, Pages: 15-26, ISSN: 2069-0509, eISSN: 2069-6469, 2017;
13. **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
14. **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.
15. **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
16. **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.

C.5 Articles in ISI Proceedings

1. **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;
2. **Mosoarca Marius**, Gioncu Victor, Failure mechanism of orthodox church 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;
3. 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;
4. **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;
5. **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;
6. 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;
7. **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;
8. **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;
9. **Mosoarca Marius**, Victor Gioncu, 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;
10. Ioan Andreescu, **Marius Mosoarca**, “The recovered beauty. restoration 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;

11. **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;
12. 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;
13. 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;
14. Mihnea Truta, **Marius Mosoarca**, Gioncu Victor, Anastasiadis A., “Optimal design of steel structures for multi – level criteria” in *Proceedings of the conference on behaviour of “Steel structures in seismic area”*, STESSA 2003, pp.63-69, ISBN: 90-5809-577-0, WOS: 000183623700009, Napoli, Italia, 2003;
15. 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;
16. Janos Gergely, Victor Gioncu, **Marius Mosoarca**, “Behaviour of steel MRFs subjected to near-fault ground motions”, *Behaviour of Steel Structures in Seismic Areas*, pp.129-136, Ed. F. M. Mazzolani, A. Wada, STESSA 2006, Ed. Taylor&Francis Group, ISBN: 0-415-40824-5, WOS: 000242847900018, Yokohama, Japonia, 2006;
17. 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.
18. 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.
19. 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.
20. 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.
21. **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.
22. Apostol Iasmina, **Mosoarca Marius**, Stoian Valeriu “Modern Consolidation Solutions for Buildings with Historical Value. Part I: Reinforced Concrete Structures”, *Modern Technologies For The 3rd Millennium Pages: 111-116*, 16th National Technical-Scientific Conference on Modern Technologies for the 3rd Millennium, MARCH 23-24, 2017, Oradea, ROMANIA, ISBN: 978-88-87729-41-2, Published: 2017;
23. **Mosoarca Marius**, Apostol Iasmina, Stoian Valeriu “Modern Consolidation Solutions for Buildings with Historical Value. Part II: Masonry Structures”, *Modern Technologies For The 3rd Millennium Pages: 209-214*, 16th National Technical-Scientific Conference on Modern Technologies for the 3rd Millennium, MARCH 23-24, 2017, Oradea, ROMANIA, ISBN: 978-88-87729-41-2, Published: 2017;
24. Keller Alexandra, **Mosoarca Marius** “Modern Historic Timber Structure Consolidation Technologies - A State of the Art Review”, *Modern Technologies For The 3rd Millennium Pages: 179-184*, 16th National Technical-Scientific Conference on Modern Technologies for the 3rd Millennium, MARCH 23-24, 2017, Oradea, ROMANIA, ISBN: 978-88-87729-41-2, Published: 2017;
25. Fekete-Nagy Luminita, **Mosoarca Marius**, Partene Eva, Diaconu Dan “Reinforced Concrete Elements Designed By Alternative Procedure”, *Modern Technologies For The 3rd Millennium Pages: 159-162*, 16th National Technical-Scientific Conference on Modern Technologies for the 3rd Millennium, MARCH 23-24, 2017, Oradea, ROMANIA, ISBN: 978-88-87729-41-2, Published: 2017;
26. Petrus Cristian, Partene Eva, **Mosoarca Marius** “Effect of Consolidating Materials on the Out of Plane Behaviour of Masonry Infills. A Design Approach”, *Modern Technologies For The 3rd Millennium, Pages: 225-232*, 16th National Technical-Scientific Conference on Modern Technologies for the 3rd Millennium, MARCH 23-24, 2017, Oradea, ROMANIA, ISBN: 978-88-87729-41-2, Published: 2017;

27. Vataman, Adina; Gaivoronschi, Vlad; **Mosoarca, Marius**, “Integration of Composite Structures in Modern Day Architecture: Case Study of City Business Centre, Timisoara, Romania”, World Multidisciplinary Civil Engineering-Architecture-Urban Planning Symposium (WMCAUS), IOP Conference Series-Materials Science and Engineering, Volume: 245, 2017
28. Dragos Bocan, Alexandra Keller, Catalina Bocan, Iasmina Apostol, **Marius Mosoarca**, “Potential Results of Using Current Thermal Rehabilitation Techniques on a City Block of Timisoara and their Structural Strengthening Opportunities”, IOP Conference Series: Materials Science and Engineering, ISSN: 1757-8981, Volume 471, Issue 6, 2019
29. Iasmina Onescu, **Marius Mosoarca**, Bianca Azap, Eugen Onescu, “Seismic Losses Scenario for Cultural Promenade in Timisoara Capital of Culture 2021, Romania”, IOP Conference Series: Materials Science and Engineering, ISSN: 1757-8981, Volume 471, Issue 6, 2019
30. Nicola Chieffo, **Marius Mosoarca**, Antonio Formisano, Iasmina Apostol, Seismic Vulnerability Assessment and Loss Estimation of an Urban District of Timisoara, IOP Conference Series: Materials Science and Engineering, ISSN: 1757-8981, Volume 471, Issue 6, 2019

C.6 BDI Articles (Scopus)

1. **Mosoarca Marius**, Gioncu, V., „Seismic management and damage prevention of religious buildings situated in seismic areas”, Proceedings of the International Conference on Risk Management, Assessment and Mitigation, RIMA '10, pp. 33-38, Bucuresti, 2010;
2. **Mosoarca Marius**, Gioncu, V., „Assessment and mitigation procedures for historical buildings situated in seismic areas”, Proceedings of the International Conference on Risk Management, Assessment and Mitigation, RIMA '10, pp. 27-32; Bucuresti, 2010;
3. Anthimos Anastasiadis, **Mosoarca Marius**, ”Vulnerability Assessment of R/C Buildings for Earthquake Insurance Purposes”, pp: 126-132, Proceedings of the International Conference RIMA 10, ISBN: 978-960-474-182-3; ISSN: 1790-2769 – Bucuresti, 2010;
4. Narița, Alina-Maria, Vlad Gurza, Răzvan Oprița, Alexandra Keller, Iasmina Apostol, **Marius Moșoarcă**, and Cătălina Bocan. "New vulnerabilities of historic urban centers and archaeological sites: Extreme loads." Pollack Periodica 11, no. 3 (2016): 15-26.
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E. AWARDS

1. **Merit diploma for the construction quality and safety assurance** obtained together with Prof. dr.ing. V. GIONCU and the design office SC H.I. STRUCT S.R.L. issued by the **Romanian Government** in 2004;
2. **CITY BUSINESS CENTRE TIMISOARA –IIIrd place award** issued by the **Romanian Association of Engineers Designers of Structures**, AICPS in 2008.

F. PROFESSIONAL EXPERIENCE

C.11 Historical monuments

1. Expertise and execution project- Mănăstirea Sf. Gheorghe, Gătaia-monument categoria „A”, 1999;
2. Technical expertise for Sinagoga din Cetate, Timișoara, 2002;
3. Technical expertise and consolidation project for buildings from Piața Sf. Gheorghe nr.2,3,4, 2010;
4. Technical expertise and restoration project for SINAI Restaurant, Timișoara, 2004;
5. Technical expertise and consolidation project for building B+Gf+2S+A str. Mocioni Timișoara, 2007;

6. Technical expertise for Military Chapel din Piata 700 Timisoara, 1999;
7. Technical expertise for historic water towers from Timisoara- Category „A” monuments, 2002;
8. Technical expertise for the improvement for S.C. Egreta SRL Timisoara, 2004;
9. Technical expertise and consolidation project for wooden church „CuvioasaParaschiva”-Dobresti, jud. Timis- Category „A” monuments,2009;
10. Technical expertise and consolidation, conservation, refunctioning project for performance hall -Sinagoga Fabric, str.Kuna, Nr.2, Timisoara, cod TM-II-m-B-06126, 2009;
11. Technical expertiserelocation project for water lock – Piata 700 Timisoara, 2013.

F.2 Places of worship – churches

1. Orthodox Church, Covaci, jud. Timiș - 1997;
2. Orthodox Church, Moșnița Nouă, jud. Timiș - 1994;
3. Orthodox Church, Dumbrăvița, jud. Timiș - 2000;
4. Orthodox Church, Biled, jud. Timiș - 2002;
5. St. Nicolae Monastery, Vulcan, jud. Hunedoara - 2005.
6. Orthodox ChurchUcraineana Timisoara – 2004;
7. Orthodox ChurchTimisoara – zona Steaua – 2006;
8. Orthodox ChurchStamoraGermana, Jud. Timis – 2009;

F.3 Administrative headquarters

1. Headquarters for State Constructions Inspectorate from Timisoara
2. HeadquartersRomtelecomRonat, Gf+3S, Timișoara;
3. HeadquartersPublic Notary House B+Gf+1S+A, Timișoara;
4. University Mihai EminescuB+Gf+4S, Timișoara;
5. HeadquartersS.C. Elco S.R.L. Gf+2S, Timișoara;
6. Office building S.C. Timteh S.R.L. B+1S, Timișoara;
7. Office buildingS.C. Hidrotim S.A. B+2S, Timișoara;
8. Office buildingB+Gf+5S+A CITY BUSINESS CENTER – P-ta 700 Timisoara, 2006-prezent;
9. Office building2B+Gf+5S+A CITY BUSINESS Cluj – Napoca, 2013-prezent;

F.4 Banks

1. BancPost Building–infrastructure project, Timișoara;

F.5 Production and office buildings

1. Office buildingGf+1Sand production hall – S.C.Ecosysteme SRL, Timișoara;
2. HeadquartersGf+1Sand production hall – S.C. Cloos S.A., Timișoara;
3. Industrial hall S.C. Rosco Textil S.A. Gf+1S, Curtici;
4. Industrial hallS.C. Momo România S.A., Ribița ;
5. Industrial hallT.D.G, Curtici;
6. Office building and production hallLinar, Timișoara;
7. Industrial production hallCalzaturificio Tore, Lugoj;
8. Office buildings and production hallLogimaetics, Timișoara;
9. Industrial production hallTiooss Commerce, Dumbrăvița;
10. Industrial hallComplex Autoservice Quark Motors, Arad;
11. Industrial production hallAstral, Arad;
12. Industrial production hallLisa Draexelmayer, Hunedoara;
13. Industrial production hallconserve S. C. Rant S.A, Ploiești;
14. Industrial production hallBaia de Criș, S.C. Mam 2 Ro SRL, Brad;
15. Industrial production hallS.C.Alpin 57 Lux SRL, Alba Iulia;
16. Industrial production hallCoficab, Arad;
17. Industrial production hallALCOA, ChisineuCris;

F.6 Dealerships

1. Opel Dealership, Timișoara;
2. BMW Dealership, Timișoara;

F.7 Commercial complexes

1. Shop S.C. Nova-Tim Gf+2S S.R.L., Timișoara;
2. Commercial center GALERIA 1 Timișoara;

F.8 Hotels and pensions

1. Hotel Reghina Blue B+Gf+4S, Timișoara;
2. Hotel AtheneeB+Gf+3S+A, Timișoara;
3. Hotel Solaris B+Gf+1S+A, Timișoara;
4. Hotel La ResidentaB+Gf+1S, Timișoara;
5. Improvement Vila Mayumi B+Gf+2S, Moneasa;
6. Extension and attic construction S.C. Tomix ,Timișoara;

F.9 Civil and industrial construction expertises

1. ExpertiseRomtelecom, Lugoj;
2. ExpertiseDatatim, Timișoara;
3. Expertiseand headquarter extension CFR Marfă(Cantina ELBA), Timișoara;
4. Expertisewooden production hall C.S.T. Fadini Rom, Topolovăț;
5. Expertise wooden production hall Tehnica Schweiz Impex,Voiteg;
6. ExpertiseimprovementAutogară, Timișoara;
7. Expertiseheadquarters State Constructions Inspectorate from Timisoara

F.10 Train stations

1. Building improvement, Petroșani train station;
2. Building improvement, Curtici train station;
3. Building improvement, StamoraMoravița train station;

F.11 Building complexes

1. Lined up building complex S. C. Ecosisteme, Timișoara
2. Lined up building complex, Ghiroda, jud. Timiș
3. Alfa building complex, Ronat, Timișoara

F.12 Individual houses

- Over 75 projects for houses with a maximum height level of B+Gf+1S+A

Timisoara
16.01.2020

Prof. dr.eng. Marius MOȘOARCĂ