



## Iasmina Onescu (Apostol)

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<https://scholar.google.com/citations?user=sLUKdC8AAAAJ&hl=ro&oi=ao> |

Traian Lalescu 2A, Timisoara, România

### EXPERIENȚA PROFESIONALĂ

14/02/2021 – ÎN CURS – România

**ȘEF LUCRĂRI** – UNIVERSITATEA POLITEHNICA TIMISOARA

Activități didactice și de cercetare

- Arhitectură antiseismică, titular curs, an 5, licență
- Urbanism antiseismic, titular curs, an 2, master Urbanism si amenajarea teritoriului
- Proiectare de arhitectură 3, titular atelier, an 2, licență
- Proiectare de arhitectură 4, titular atelier, an 2, licență
- Proiectare aplicată de calculator 1, an 3, licență
- Proiectare aplicată de calculator 2, an 3, licență
- Construcții 2, titular seminar, an 2, licență
- Metode de restaurare, an 4, licență
- Principii și tehnologii de consolidare, an 2, master restaurare si regenerare patrimoniala

Implicare in procesul de acreditare al Facultății de Arhitectură și Urbanism Timișoara

Implicare in procesul de infiintare al Centrului de cercetare in Arhitectura si Urbanism Timisoara

Implicare in procesul de acreditare a Masterului de Restaurare si Regenerare Patrimoniala din cadrul Facultatii de Arhitectura Timisoara

Implicare in organizarea conferintei cu participare internationala CoHeSION Timisoara

Secretar comisii de diploma/licenta Facultatea de Arhitectura si Urbanism 2018-2022

14/02/2017 – 14/02/2021 – România

**ASISTENT UNIVERSITAR** – UNIVERSITATEA POLITEHNICA TIMISOARA

Activitati didactice si de cercetare

- Proiectare de arhitectură 3, titular atelier, an 2, licență
- Proiectare de arhitectură 4, titular atelier, an 2, licență
- Proiectare aplicată de calculator 1, an 3, licență
- Proiectare aplicată de calculator 2, an 3, licență
- Construcții 2, titular seminar, an 2, licență
- Metode de restaurare, an 4, licență
- Arhitectură antiseismică, titular seminar, an 5, licență

31/01/2017 – ÎN CURS – România

**ARHITECT** – 3DSN DESIGN STUDIO

Realizare de proiecte de arhitectura, proiecte de amenajare de interior, intocmirea documentatiilor pentru obtinerea avizelor si a autorizatiei de construire, urmarire de santier

31/08/2015 – 31/01/2017 – România

**ARHITECT STAGIAR** – ATELIER BREVIOR S.R.L.

31/08/2014 – 29/08/2015 – România

31/05/2014 – 30/08/2014 – Spania  
**INTERN – HCP ARCHITECTOS**

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14/07/2013 – 14/08/2013 – România  
**INTERN – GAIVORONCHI&ANDREESCU**

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## ● **EDUCAȚIE ȘI FORMARE PROFESIONALĂ**

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30/09/2015 – 31/08/2020 – Comisie de evaluare internațională, România  
**DOCTOR ÎN DOMENIUL INGINERIEI CIVILE – Universitatea Politehnică Timișoara**

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30/09/2017 – 29/05/2018 – România  
**PROGRAM DE FORMARE PSIHOPEDAGOGICĂ – Universitatea Politehnică Timișoara**

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14/02/2017 – 14/05/2017 – Italia  
**STUDII DOCTORALE – Università degli Studi di Padova**

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14/09/2009 – 14/07/2015 – România  
**ARHITECT, STUDII DE LICENȚĂ+MASTER – Facultatea de Arhitectură și Urbanism Timișoara**

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14/02/2013 – 14/07/2013 – Italia  
**STUDII UNIVERSITARE – Università degli studi di Palermo**

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14/09/2005 – 14/07/2009 – România  
**STUDII LICEALE – Liceul Teoretic Traian Lalescu, profil matematică-informatică**

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## ● **COMPETENȚE LINGVISTICE**

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Limbă(i) maternă(e): **ROMÂNĂ**

Altă limbă (Alte limbi):

	COMPREHENSIUNE		VORBIT		SCRIS
	Comprehenșiune orală	Citit	Exprimare scrisă	Conversație	
<b>ENGLEZĂ</b>	B2	B2	B2	B2	B2
<b>ITALIANĂ</b>	B1	B1	B1	B1	B1
<b>SPANIOLĂ</b>	A2	A2	A2	A2	A2

*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 competente de comunicare si public speaking, dobandite prin:**

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experiența pedagogică  
experiența de predare în cadrul cursurilor masterale internaționale DYCLAM+  
redactarea diverselor documentații pentru acreditarea unui centru de cercetare  
realizarea de cursuri scrise  
prezentarea cursurilor în mod oral  
mentorarea unor echipe mici de studenți în cadrul practicilor de vară  
prezentarea diverselor lucrări științifice în cadrul a numeroase congrese internaționale  
experiența perioadelor de studiu și de cercetare desfășurate în Palermo, respectiv Padova, Italia  
experiența perioadei de practică în cadrul unui birou de proiectare din Malaga, Spania

## ● **COMPETENȚE ORGANIZATORICE**

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### **Bune competente organizatorice**

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capacitatea de a lucra eficient sub presiune  
adaptabilitate și flexibilitate  
responsabilitate  
proactivitate  
multitasking  
gândire analitică  
abilități de lucru în echipă  
parte din echipele de lucru pentru: procesul de acreditare a Centrului de cercetare din cadrul Facultății de Arhitectură Timisoara, procesul de acreditare a Masterului de Restaurare din cadrul Facultății de Arhitectură Timisoara, procesul de acreditare a Facultății de Arhitectură și Urbanism Timisoara, procesul de admitere la ciclul licenței în cadrul Facultății de Arhitectură și Urbanism Timisoara, sesiunile de susținere a lucrărilor de diplomă pentru finalizarea studiilor în cadrul Facultății de Arhitectură și Urbanism Timisoara

## ● **COMPETENȚE DIGITALE**

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Microsoft Office | ArchiCAD | Lumion 3D | Adobe (Adobe Photoshop, Adobe Illustrator) | Tremuri

## ● **PERMIS DE CONDUCERE**

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**Permis de conducere:** B

## ● ACTIVITATE DIDACTICA

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### Implicare in realizarea materialelor de curs, acreditarea domeniilor si procesul de admitere

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Întocmire/completare material de curs "Urbanism antiseismic", master UAT

Întocmire/completare material de curs "Principii si tehnologii de consolidare a structurilor portante istorice", master RRP

Întocmire/completare material de curs "Arhitectură antiseismică", licenta Arhitectura

Întocmire/completare material de curs "Metode de restaurare", licenta Arhitectura

Întocmire/completare material de curs "Dynamics in vulnerability assessment of historical buildings", DYCLAM Erasmus Mundus Master 2021

Întocmire/completare material de curs "Dynamics in vulnerability assessment of historical buildings", DYCLAM Erasmus Mundus Master 2022

Implicare in procesul de acreditare a Centrului de cercetare din cadrul Facultatii de Arhitectură

Implicare in procesul de acreditare a Masterului de Restaurare din cadrul Facultatii de Arhitectura Timisoara

Implicare in procesul de acreditare a Facultatii de Arhitectură si Urbanism Timisoara

Implicare în procesul de admitere a studenților de la ciclul licență, incepand cu anul 2017

Secretar de comisie pentru sustinerea lucrarilor de diploma a studenților de la ciclul licență, incepand cu anul 2018

Cadru didactic invitat la Facultatea Federico II di Naples pentru a tine un curs in cadrul DYCLAM Erasmus Mundus Master 2021

Cadru didactic invitat la Facultatea Federico II di Naples pentru a tine un curs in cadrul DYCLAM Erasmus Mundus Master 2022

## ● CONFERINȚE ȘI SEMINARE

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30/03/2016 – 31/03/2016 – Skopje, Macedonia

**International Conference on Green Development, Infrastructure and Technology GREDIT**

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22/03/2017 – 23/03/2017 – Oradea, Romania

**16th National Technical-Scientific Conference on Modern Technologies for the 3rd Millennium**

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27/06/2017 – 29/06/2017 – Bologna, Italia

**International Conference on Mechanics of Masonry Structures Strengthened with Composites Materials MuRiCo5**

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21/03/2018 – 22/03/2018 – Oradea, Romania

**17th National Technical-Scientific Conference on Modern Technologies for the 3rd Millennium**

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14/11/2018 – 16/11/2018 – Timisoara, Romania

**1st International Conference on Heritage and Sustainable Innovation CoHeSION**

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17/06/2018 – 21/06/2018 – Praga, Republica Ceha

**World Multidisciplinary Civil Engineering-Architecture-Urban Planning Symposium WMCAUS**

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07/07/2018 – 10/07/2018 – Budapesta, Ungaria

**8th International Conference on Engineering Failure Analysis ICEFA**

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20/03/2019 – 21/03/2019 – Oradea, Romania

**18th National Technical-Scientific Conference on Modern Technologies for the 3rd Millennium**

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16/06/2019 – 20/06/2019 – Praga, Republica Ceha

**World Multidisciplinary Civil Engineering-Architecture-Urban Planning Symposium**

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23/07/2019 – 25/07/2019 – Lisabona, Portugalia

#### **4th International Conference on Structure and Architecture ICSA**

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28/09/2021 – 30/09/2021 – online

#### **12th International Conference on Structural Analysis of Historical Constructions**

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28/06/2021 – 30/06/2021 – online

#### **8th International Conference on Computational Methods in Structural Dynamics and Earthquake Engineering COMPdyn**

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10/12/2021 – 11/12/2021 – online

#### **2nd International Conference on Heritage and Sustainable Innovation**

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#### **7 conferinte internationale**

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International Conference on Green Development, Infrastructure and Technology GREDIT 31/03/2016 – 01/04/2016 Skopje, Macedonia

International Conference on Mechanics of Masonry Structures Strengthened with Composites Materials MuRiCo5 28/06/2017 – 30/06/2017 Bologna, Italia

World Multidisciplinary Civil Engineering-Architecture-Urban Planning Symposium WMCAUS 18/06/2018 – 22/06/2018 Praga, Republica Ceha

8th International Conference on Engineering Failure Analysis ICEFA 08/07/2018 – 11/07/2018 Budapesta, Ungaria

World Multidisciplinary Civil Engineering-Architecture-Urban Planning Symposium 17/06/2019 – 21/06/2019 Praga, Republica Ceha

4th International Conference on Structure and Architecture ICSA 24/07/2019 – 26/07/2019 Lisabona, Portugalia

12th International Conference on Structural Analysis of Historical Constructions 29/09/2021 – 01/10/2021 online

#### **5 conferinte cu participare internationala, desfasurate in Romania**

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## **PUBLICAȚII**

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#### **Seismic risk analysis for historic areas. Case study: Fabric district, Timisoara European Capital of Culture 2022**

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2022

I. Onescu, E. Onescu, M. Mosoarca, Seismic risk analysis for historic areas. Case study: Fabric district, Timisoara European Capital of Culture 2022, Proceedings of the 3rd European Conference on Earthquake Engineering & Seismology, in evaluation

#### **Optimization of empirical seismic vulnerability assessment for masonry buildings following nonlinear analysis**

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2021

E. Onescu, I. Onescu, M. Mosoarca, "Optimization of empirical seismic vulnerability assessment for masonry buildings following nonlinear analysis", *Proceedings of the 8th International Conference on Computational Methods in Structural Dynamics and Earthquake Engineering COMPdyn 2021*, Athens, Greece, 2021 (Scopus)

#### **Seismic vulnerability assessment methodology for historical buildings with cultural value**

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2021

I. Onescu, M. Mosoarca, E. Onescu, Seismic vulnerability assessment methodology for historical buildings with cultural value, Proceedings of the 12th International Conference on Structural Analysis of Historical Construction

#### **Case study of consolidation, rehabilitation, and restoration of the "Sfantul Filimon" monastery**

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2021

M. Fofiu, M. Mosoarca, I. Onescu, M. Palade, G. Olariu, T. Popovici, "Case study of consolidation, rehabilitation, and restoration of the "Sfantul Filimon" monastery", *Journal of Architecture, Urbanism and Heritage*, Politehnica Publishing House, 2021

## **Simplified vulnerability assessment methodologies for historic structures in Banat seismic area**

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2021

M. Mosoarca, I. Onescu, A. Keller, Simplified vulnerability assessment methodologies for historic structures in Banat seismic area, Transsylvania Nostra, ISBN 1842-5631

## **Integrated empirical-mechanical seismic vulnerability analysis method for masonry buildings in Timisoara: Validation based on the 2009 Italian earthquake**

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2020

N. Chieffo, I. Onescu, A. Formisano, M. Mosoarca, M. Palade, "Integrated empirical-mechanical seismic vulnerability analysis method for masonry buildings in Timisoara: Validation based on the 2009 Italian earthquake, in *Open Civil Engineering Journal*, Volume 14, Issue 1, Pages 314-333, 2020 (Scopus)

## **Seismic vulnerability assessment of historical urban centers**

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2020

I. Apostol, teza de doctorat, Universitatea Politehnica Timisoara, 2020

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

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2020

M. Mosoarca, I. Onescu, E. Onescu, A. Anastasiadis, "Seismic vulnerability assessment methodology for historic masonry buildings in the near-field areas", *Engineering Failure Analysis*, Vol. 115, paper ID 104662, septembrie 2020, (WOS: 000554871700007, Impact factor 2.897)

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

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2019

M. Mosoarca, I. Onescu, B. Azap, E. Onescu, N. Chieffo, M. Szitar-Sirbu, „Seismic vulnerability assessment for the historical areas of the Timisoara city, Romania”, *Engineering Failure Analysis*, Vol. 101, pp. 86-112, 2019 (WOS: 000464960500007, Impact factor 2.897)

## **Seismic vulnerability assessment and loss estimation of an urban district of Timisoara**

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2019

N. Chieffo, M. Mosoarca, A. Formisano, I. Apostol, "Seismic vulnerability assessment and loss estimation of an urban district of Timisoara", in *IOP Conference Series: Materials Science and Engineering*, Vol. 471, Session 9, 2019 (WOS: 000465811805085)

## **Seismic losses scenario for cultural promenade in Timisoara Capital of Culture 2021, Romania**

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2019

I. Onescu, M. Mosoarca, B. Azap, E. Onescu, "Seismic losses scenario for cultural promenade in Timisoara Capital of Culture 2021, Romania", in *IOP Conference Series: Materials Science and Engineering*, Vol. 471, Session 9, 2019 (WOS: 000465811805056)

## **The impact of the cultural value to the seismic vulnerability of a historical building**

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2019

I. Onescu, E. Onescu, M. Mosoarca, "The impact of the cultural value to the seismic vulnerability of a historical building", in *IOP Conference Series: Materials Science and Engineering*, Vol. 603, Issue 4, 2019 (WOS:000562099102045)

## Potential results of using thermal rehabilitation techniques on a city block of Timisoara and their structural strengthening opportunities

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2019

D. Bocan, A. Keller, C. Bocan, I. Apostol, M. Mosoarca, "Potential results of using thermal rehabilitation techniques on a city block of Timisoara and their structural strengthening opportunities", in *IOP Conference Series: Materials Science and Engineering*, Vol. 471, Session 9, 2019 (WOS:000465811802088)

## The impact of timber roof framework over historical masonry structures

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2019

E. Onescu, I. Onescu, M. Mosoarca, "The impact of timber roof framework over historical masonry structures", in *IOP Conference Series: Materials Science and Engineering*, Vol. 603, Issue 4, 2019 (WOS:000562099102044)

## Seismic vulnerability assessment of historical group of buildings in Timisoara city

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2019

E. Onescu, I. Onescu, M. Mosoarca, A. Ion, "Seismic vulnerability assessment of historical group of buildings in Timisoara city", in *Proceedings of 18th National Technical-Scientific Conference on Modern Technologies for the 3rd Millennium*, Oradea, Romania, 2019 (WOS:000617030100042)

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

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2019

I. Onescu, E. Onescu, M. Mosoarca, "Multi-criterial vulnerability assessment for Timisoara city, Romania", in *Proceedings of the 4th International Conference on Structure and Architecture*, Pages 923-930, Lisabona, Portugalia, 2019 (WOS:000670758600110)

## Seismic vulnerability scenarios for Timisoara, Romania

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2019

Apostol, M. Mosoarca, N. Chieffo, E. Onescu, "Seismic vulnerability scenarios for Timisoara, Romania", *Structural Analysis of Historical Constructions*, ed. Springer, RILEM Bookseries, vol. 18, pp. 1191-1200, 2019, ISBN: 978-3-319-99440-6 (Scopus)

## Seismic vulnerability scenarios for historical areas of Timisoara

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2018

B. Azap, I. Apostol, M. Mosoarca, N. Chieffo, A. Formisano., Seismic vulnerability scenarios for historical areas of Timisoara, *Proceedings of 17th National Technical-Scientific Conference on Modern Technologies for the 3rd Millennium*, Oradea, Romania, pp 149-154, 2018 (WOS:000491484600026)

## Solutions for improving seismic vulnerability of historic masonry buildings

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2018

I. Apostol, M. Mosoarca, N. Chieffo, A. Keller, D. Bocan, C. Bocan, R. Bradeanu, "Solutions for improving seismic vulnerability of historic masonry buildings", in *Proceedings of 17th National Technical-Scientific Conference on Modern Technologies for the 3rd Millennium*, Oradea, Romania, pp 131-136, 2018 (WOS:000491484600023)

## The impact of insulating plaster on the energy performance of historical buildings

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2018

D. Bocan, A. Keller, I. Apostol, M. Mosoarca, R. Bradeanu, "The impact of insulating plaster on the energy performance of historical buildings", in *Proceedings of 17th National Technical-Scientific Conference on Modern Technologies for the 3rd Millennium*, Oradea, Romania, pp 179-184, 2018 (WOS:000491484600031)

## Seismic vulnerability assessment for historical building as isolate/in aggregate for Timisoara city, Romania

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2018

I. Apostol, M. Mosoarca, E. Onescu, "Seismic vulnerability assessment for historical building as isolate/in aggregate for Timisoara city, Romania", *Journal of Architecture, Urbanism and Heritage*, Vol. 2, Politehnica Publishing House, 2018, ISSN: 1224-6024

## Modern Consolidation Solutions for Buildings with Historical Value. Part I: Reinforced Concrete Structures

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2017

I. Apostol, M. Mosoarca, V. Stoian, "Modern Consolidation Solutions for Buildings with Historical Value. Part I: Reinforced Concrete Structures", in *Proceedings of 16th National Technical-Scientific Conference on Modern Technologies for the 3rd Millennium*, Oradea, Romania, pp 111-116, 2017 (WOS: 000413420300019)

## Modern Consolidation Solutions for Buildings with Historical Value. Part II: Masonry Structures

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2017

M. Mosoarca, I. Apostol, V. Stoian, "Modern Consolidation Solutions for Buildings with Historical Value. Part II: Masonry Structures", in *Proceedings of 16th National Technical-Scientific Conference on Modern Technologies for the 3rd Millennium*, Oradea, Romania, pp 209-214, 2017 (WOS:000413420300037)

## Consolidation methods of Romanian historical building with composite materials

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2017

M. Mosoarca, I. Apostol, A. Keller, A. Formisano, "Consolidation methods of Romanian historical building with composite materials", in *Proceedings of International Conference on Mechanics of Masonry Structures Strengthened with Composites Materials*, [Key Engineering Materials](#), Volume 747 KEM, Pages 406-413, Bologna, Italy, 2017 (Scopus)

## Case study of consolidation methods with fiber-based composite materials in Romania

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2017

I. Apostol, R. Bradeanu, M. Mosoarca, "Case study of consolidation methods with fiber-based composite materials in Romania", in *Proceedings of International Conference on Mechanics of Masonry Structures Strengthened with Composites Materials*, [Key Engineering Materials](#), Volume 747 KEM, Pages 414-419, Bologna, Italy, 2017 (Scopus)

## Global behavior of historical masonry structures and timber roof framework

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2017

N. Chieffo, I. Apostol, A. Keller, M. Mosoarca, A. Marzo, "Global behavior of historical masonry structures and timber roof framework", in *Proceedings of the 3rd International Conference on protection of historical constructions*, Lisabona, Portugalia, 2017

## New vulnerabilities of historic urban centers and archeological sites. Extreme Loads

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2016

A-M. Narița, V. Gurza, R. Oprița, A. Keller, I. Apostol, , M. Mosoarca, C. Bocan, "New vulnerabilities of historic urban centers and archeological sites. Extreme Loads.", *An International Journal for Engineering and Informational Sciences*, Pollack Periodica, pp 15-26., 2016, ISSN 1788-1994, DOI: 10.1556/606.2016.11.3.3 (Scopus)



2016

I. Apostol, A. Keller, M. Mosoarca, "Climate Change Risk Assessment Methodology for Historic Urban Centers", *International Journal of Sustainable Agricultural Management and Informatics*, 2016, ISSN print: 2054-5819

### **CITĂRI**

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#### Citări ale lucrărilor științifice

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160 citări in Google Scholar  
102 de citări in Scopus  
57 de citări in Web of Science

### **INDICE HIRSCH**

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#### Indice Hirsch

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4 - Web of Science  
6 - Scopus  
7 - Google Scholar

### **CONTRACTE DE CERCETARE**

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11/10/2021 – 10/10/2025

#### **COST ACTION CA20139, HOLISTIC DESIGN OF TALLER TIMBER BUILDINGS (HELEN)**

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Echipe de cercetare Politehnica Timișoara: Marius Moșoarcă, Mihai Fofiu, Bogdan-Liviu Isopescu, Alexandra-Iasmina Keller, Iasmina Onescu, Cristina-Maria Povian, Valeriu Stoian

01/04/2022 – 31/12/2023

#### **Analiza riscului seismic pentru cladirile de patrimoniu din Timisoara Capitala Culturala Europeana 2023, la nivel multidisciplinar**

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Competiția de proiecte de cercetare a Academiei Oamenilor de Știință din România destinată tinerilor cercetători "AOSR-TEAMS" EDIȚIA 2022-2023

Echipe de cercetare: Iasmina Onescu (director), Eugen Onescu

### **DISTINCȚII ONORIFICE ȘI PREMII**

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#### Premii

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1. Best Poster Award on the International Conference on Engineering Failure Analysis, 2018
2. 1st Prize for East-European Kitchen Design, 2017
3. 1st Prize for International Architectural Contest Katara Hills, 2015
4. Competitia PRECISI2020 (80215)
5. Competitia PRECISI2020 (80500)
6. Selectionare proiect în cadrul Premiilor anuale de arhitectură OAR Timiș secțiunea locuire, 2022

## MEMBRU ASOCIATII PROFESIONALE

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2014 – ÎN CURS

**Ordinul Arhitecților din România- filiala Timiș**

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Membru

01/05/2022 – 31/12/2023

**Academia Oamenilor de Știință din România**

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Afilier