LIST
of Scientific Papers

A – PhD Thesis

“Contributions to the Thermoenergetic Optimization of new and Existing Buildings”
Scientific coordinator: Prof. dr .ing. Horia-A. Andreica
Technical University of Cluj-Napoca
Public Defense: September 23, 2009

B – Books and book chapters

1. BOOKS

National Publisher:

International Publisher:

2. BOOK CHAPTERS

National Publisher:

**International Publisher:**


**C – ISI/BDI indexed papers published**

**c1) Articles/Studies Published in Internationally Circulated Specialty Journals and Proceedings (ISI Indexed)**

**Journals:**


14. Constantin Munteanu; Moga Ligia Mihaela; Daniela Roxana Tămăș-Gavrea; Nicoleta Cobîrzan; Raluca Chiuzbaian; Raluca Fernea, Protection to railway traffic noise in the case of a multilevel residential building from the city of Cluj-Napoca. Procedia Manufacturing, Volume 22, 2018, Pages 339-346, doi.org/10.1016/j.promfg.2018.03.051

15. Constantin Munteanu; Dragoș Bogdan; Moga Ligia Mihaela; Nicoleta Cobîrzan; Daniela Roxana Tămăș-Gavrea; Florin Babota, The acoustic properties of the lecture hall of the the Faculty of Building Services in Cluj-Napoca, Procedia Manufacturing Volume 22, 2018, Pages 331-338, https://doi.org/10.1016/j.promfg.2018.03.050

16. Babota, F., Moga, L., Computation and analysis of corrected thermal insulation in a common dwelling building in Romania, in various thermal insulation variants - The slab over the soil, Procedia Manufacturing, 22, 2018, Pages 352-357, https://doi.org/10.1016/j.promfg.2018.03.053

17. Bouaissi A.; Li LY.; Moga LM; Sandu IG.; Abdullah MM. et al, A Review on Fly Ash as a Raw Cementitious Material for Geopolymer Concrete, Revista de chimie 69 (7), 1661-1667, 2018.


Proceedings:


7. Puskas Attila, Moga Ligia, Environmental impact reduction and quality control practices in construction output, 2014 International Conference On Production Research - Regional


21. Grindei, L., Campian, C., Ciupe, A., Munteanu, S., **Moga, L.**, The European University of Technology - A perspective on building a pioneering higher education system based on a human-centred technology, Proceedings of the 2022 31st Annual Conference of the European Association for Education in Electrical and Information Engineering, EAEEIE 2022, DOI: 10.1109/EAAEEIE54893.2022.9819988.


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c2) Studies Published at Conferences Indexed in Major International Databases:


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**D – Papers Published in Journals and Conference Volumes (Non-Indexed)**

- Selection of papers in journals
  1. **Moga Ioan**, **Moga Ligia**: „Comportarea în timp a clădirilor reabilitate termoenergetic”, Revista Construcţiilor, anul IV, nr.62, august 2010.

- Selection of papers in conferences volumes


21. Sandu Ioan Gabriel, **Moga Ligia**, Theoretical aspects regarding construction materials and frescoes degradation under the influence of environmental factors, *C60 International Conference ”Tradition and Innovation - 60 Years of Civil Engineering Higher Education in...*


27. Moga Ligia, Moga Ioan, An alternative approach to assessing the thermal performance of windows, C70-2023 - Tradition and Innovation 70 Years of Higher Education in Civil Engineering in Transilvania C70, 8-11 noiembrie 2023, Cluj-Napoca, Cluj.


E – Projects/Research Contracts and Other Types

Research:

1. Principal Investigator PED, 714PED / 2022, Optimisation and validation of a specialised software used for calculating the thermal performance of the building envelope components, developed based on aerial and terrestrial thermography method (Acronim: THERMOG), duration 2022- present, project value 598.732,00 lei.


3. Principal Investigator BD Type Research Scholarship, cod CNCSIS 56, „Contribuții privind optimizarea termoenergetică a clădirilor noi și existente, duration 2006-2008, project value 35.000 lei.

4. Principal Investigator PARTING Postdoctoral Fellowship, POSDRU/159/1.5/S/137516, „Sisteme de concepere și proiectare a clădirilor de locuit noi cu consum redus de energie în

5. **Member - researcher** in the project PN-III-P1-1.2-PCCDI-20170391, „Clădiri inteligente adaptabile la efectele schimbărilor climatice”, CIA_CLIM Nr. 30PCCDI/2018, partner coordinator Conf.dr.ing. Teodosescu Petre Dorel, duration 2018-2021, project value 628.420,00 lei.

6. **UTCN Project P3 Responsible**. Smart and Sustainable Buildings and member in the project NetZeRoCities - National Competence Centre and solutions for the development of Climate Neutral and Smart Cities, PNRR, 760007/30.12.2022, partner manager: Prof.dr.ing. Pop Ovidiu, duration: 2023- present.

7. **Member** in the project “Horizon 2020 / 649773 - MEnS – Meeting of Energy professional Skills”. Project finanțat de Uniunea Europeană, Partner coordinator Prof.dr.ing. Micu Dan, duration: 2015-2017, project value 245.709,20 lei.

8. **Member** in the PNII research grant, Pachetul 4, „Parteneriate în domenii prioritare 2007-2013”, cod 22120/2008, „Sisteme de soluții integrate pentru reabilitarea clădirilor/cartierelor de locuit”, Partner coordinator Prof.dr.ing. Moga Ioan, duration: 2008-2010, project value partener UTCN 30.000 lei.


10. **Member** in the internal UTCN project: Energy-efficient lighting technologies for a GreenLight University, Principal Investigator S.l.dr.ing. Ciugudean Călin Nicolae, duration: 2014-2015, project value 30.000 lei.


13. **Member and coordinator of the staff of the Faculty of Civil Engineering** for the collection and energy analysis of data for buildings at 87 addresses in Cluj-Napoca in the contract nr.187/2006 „Elaborare Expertiză Energetică, Auditului Energetic Inclusiv Elaborarea Certificatului Energetic, Programul de Actiuni pe Anul 2006 pentru Reabilitarea Termica a 87 Blocuri de Locuinte-Condominii, instituția care a finanțat proiectul: Primăria municipiului Cluj-Napoca și Guvernul României, Principal Investigator Prof.dr.ing. Moga Ioan, duration: 2006-2007, contract value 550.000 eur.

15. **Member** in the research contract cu nr.54/17.04.2007, „Hirsch-Porozell Studiu termothehnic privind promovarea panourilor termoizolate din polistiren expandat Hirsch- Porozell”, Principal Investigator Prof.dr.ing. Moga Ioan, duration: 2007, contract value 15.000 eur.


**POSDRU:**
17. **Member** in the capacity of Technical Expert within the institutional project team „În Feleac se construieşte practica UTCN-eşte”, Principal Investigator Conf.dr.ing. Livia Anastasiu, duration: 2015.

**Institutional:**
18. **Member - cercetător** in the project Erasmus+ 585700-EPP-1-2017-1-BE-EPPKA2-CBHE-SP, „Structuration et Accompagnement de L'Entrepreneuriat Etudiant au Maghreb / SALEEM, Partner coordinator Prof.dr.ing. Vasile Soporan, duration: 2018-2021, project value 23692,00 €.

19. **Member** in the project POSDRU “Didactec – Implementarea eficienta a tehnologiilor si instrumentelor educationale moderne in invatamantul superior tehnic”, Principal Investigator Prof.dr.ing. Aurel Vlaicu, duration: 2010-2013.


21. **Member** in the project „Învăţământ de excelenţă prin utilizarea integrată a tehnologiilor educaţionale şi tranziţia către campusul virtual” CNFIS-FDI-2020-0064, Principal Investigator Prof.dr.ing. Bogdan Orza, duration: 2020, project value 370.000 lei.

22. **Member** in the capacity of Education Expert within the project “Internaționalizarea – factor de transformare sistemică a Universității Tehnice din Cluj-Napoca” CNFIS-FDI-2021-0193, Principal Investigator Prof.dr.ing. Silviu Dan Mândru, duration: 2021, project value 360.000 lei.

23. **Member** in the capacity of Education Expert within the project “International@UTCN-dezvoltarea dimensiunii internaționale a Universității Tehnice din Cluj-Napoca” CNFIS-FDI-2022-0339, Principal Investigator Prof.dr.ing. Silviu Dan Mândru, duration: May-December 2022, project value 368.000 lei.

24. **Member** in the capacity of Education Expert within the project “Acțiuni și instrumente suport pentru internaționalizarea Universității Tehnice din Cluj-Napoca” CNFIS-FDI-2023-F-0295, Principal Investigator Prof.dr.ing. Silviu Dan Mândru, duration: May-December 2023, project value 320.000 lei.

**Date:** 03.06.24

**Signature:** Conf.dr.habil.ing. Moga Ligia Mihaela
LIST of scientifically relevant papers


