



Ana Perić

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GoogleScholar : <https://scholar.google.hr/citations?hl=hr&user=NdOX1PgAAAAJ>

ResearchGate : <https://www.researchgate.net/profile/Ana-Peric-3>

Address: Vladimira Preloga 3, 31000 Osijek (Croatia)

ABOUT ME

PhD student enrolled at Faculty of Civil Engineering and Architecture Osijek. Employed on Croatian Science Foundation project RE-forMS, dealing with earthquake resistance of rammed earth houses located in Eastern Croatia.

WORK EXPERIENCE

University research assistant

Faculty of Civil Engineering and Architecture Osijek [22 Mar 2021 – Current]

City: Osijek

Country: Croatia

Employed on Croatian science foundation project called RE-forMS (**R**ammed **E**arth **f**or **M**odelling and **S**tandardization in seismically active areas)

- researching rammed earth constructions and material
- conducting laboratory experiments on material collected from houses located in Eastern Croatia and on original mixtures of material
- making computational simulations regarding earthquake behaviour of rammed earth constructions
- teaching students

Civil engineer

BAJS-ing Ltd [12 Oct 2020 – 28 Dec 2020]

City: Đakovo

Country: Croatia

Student practice encompassed:

- static analysis of constructions
- rebar schedules
- construction designs

Student assistant

Faculty of Civil Engineering and Architecture Osijek [Oct 2016 – Feb 2020]

City: Osijek

Country: Croatia

Helping younger students with problems regarding following subjects:

- Engineering Drawing and AutoCAD (2.01-102) - *October 2016 - February 2017*
- Basic of Analysis and Loading on Structures (2.05-231) - *October 2017 - September 2019*
- Concrete Structures II (2.05-206) - *October 2019 - February 2020*

Civil engineering intern

BAJS-ing Ltd [Jul 2019 – Aug 2019]

City: Đakovo

Country: Croatia

Unpaid student practice, gaining experience in static analysis of structures and construction designs.

Civil engineering intern

Helion Group Ltd [Feb 2017 – Oct 2017]

City: Osijek

Country: Croatia

Student practice, gaining experience in construction designs.

EDUCATION AND TRAINING

ANSYS Online Introductory Training

Simtec Ltd [14 Apr 2021 – 16 Apr 2021]

<https://simtec.hr/>

- Pre-processing with Spaceclaim and Workbench Meshing for FEA
- Finite Element Analysis with Ansys Mechanical
- Finite Element Analysis with Ansys LS-DYNA

Doctor of Science

Faculty of Civil Engineering and Architecture Osijek [Apr 2021 – Current]

Address: Vladimira Preloga 3, 31000 Osijek (Croatia)

<http://www.gfos.unios.hr/>

Step-by-Step Guide on How to Prepare a Successful Paper

AD webinars, Springer Nature [10 Dec 2020 – 10 Dec 2020]

Master of Civil Engineering

Faculty of Civil Engineering and Architecture Osijek [Oct 2018 – 29 Sep 2020]

Address: Vladimira Preloga 3, 31000 Osijek (Croatia)

<http://www.gfos.unios.hr/>

Field(s) of study: Bearing structures

Thesis: Seismic performance of rammed earth wall of traditional houses

Erasmus+ M.Sc. Course - Nonlinear Analysis of Structures: Wind Induced Vibrations

Bauhaus-University Weimar [Apr 2019 – Aug 2019]

Address: Weimar (Germany)

<https://www.uni-weimar.de/en/civil-engineering/start/>

Erasmus+ M.Sc. Course: distance learning and international cooperation

Bauhaus Summer School

Bauhaus University Weimar [19 Aug 2018 – 31 Aug 2018]

Address: Weimar (Germany)

<https://www.uni-weimar.de/summerschool/en/>

Bachelor of Science in Civil Engineering

Faculty of Civil Engineering and Architecture Osijek [Oct 2015 – Sep 2018]

Address: Vladimira Preloga 3, 31000 Osijek (Croatia)

<http://www.gfos.unios.hr/>

LANGUAGE SKILLS

Mother tongue(s): **Croatian**

Other language(s):

English

LISTENING B2 READING B2 WRITING B2

SPOKEN PRODUCTION B2 SPOKEN INTERACTION B2

DIGITAL SKILLS

Microsoft Office / AutoCAD

Computational analysis of structures

ANSYS Workbench / CSI SAP2000 / Scia engineer / Radimpex Tower / Autodesk Robot Structural / Seismo Struct

COMMUNICATION AND INTERPERSONAL SKILLS

Communication skills

Expressed ability to adapt to teamwork and multicultural environment, acquired during participation in international projects. Very well developed communication and presentation skills. Written expression skills acquired by writing publications in Croatian and English and attending the Step-by-step webinar Guide on How to Prepare a Successful Paper organized by Springer Nature.

ORGANISATIONAL SKILLS

Organizational skills

Expressed organizational skills acquired during academic education by participating in academic projects within and outside the scope of the course and the organization and implementation of the workshop "Economic construction of safe and solid bridges" in cooperation with the Osijek-Baranja County Technical Culture Association and the Faculty of Civil Engineering and Architecture Osijek (November 2020).

HONOURS AND AWARDS

Rectors award

Rector of Josip Juraj Strossmayer University [2019]

For best paper in field written in academic year 2017/2018

Gifted student scholarship

Osijek-Baranja County [2019]

Full scholarship for attending Bauhaus Summer School

Deutscher Akademischer Austauschdienst [Aug 2018]

Gifted student scholarship

Josip Juraj Strossmayer University [2018]

Gifted student scholarship

Josip Juraj Strossmayer University [2015]

PUBLICATIONS

Thermal conductivity coefficient of a traditional earth house from Eastern Croatia: a case study

[2021]

<https://www.bib.irb.hr/1143976>

Perić, Ana; Kraus, Ivan; Krstić, Hrvoje

Conference proceeding

Zajednički temelji 2021

Mostar, Bosna i Hercegovina, 2021. pg. 1-6

(in-extenso)

Characterization of materials used for earth architecture in Eastern Croatia

[2021]

<https://iopscience.iop.org/issue/1757-899X/1209/1>

Perić, Ana

Conference proceeding

IOP Conference Series: Materials Science and Engineering Young Scientist 2021 (YS21) 13th-15th October 2021, High Tatras, Slovakia

High Tatras, Slovakia, 2021. pg. 1-8

doi:10.1088/1757-899X/1209/1/012044

Compressive strength of traditional compacted earth walls: a case study from Aljmaš

[2021]

<https://www.bib.irb.hr/1143973>

Perić, Ana; Kraus, Ivan; Krolo, Paulina

Conference proceeding

Zbornik radova 11. susreta Hrvatskog društva za mehaniku

Rijeka, 2021. pg. 1-6

(in-extenso)

Experimental Campaigns on Mechanical Properties and Seismic Performance of Unstabilized Rammed Earth—A Literature Review

[2021]

<https://www.mdpi.com/2075-5309/11/8/367>

Perić, Ana; Kraus, Ivan; Kaluđer, Jelena; Kraus, Lucija

A literature review

Buildings, **11** (2021), 8; 367, 21

doi:10.3390/buildings11080367

Seismic behaviour of traditional croatian earth architecture

[2020]

<https://www.bib.irb.hr/1125808>

Kraus, Ivan; Perić, Ana; Kaluđer, Jelena; Kraus, Lucija

Proceedings of 1st Croatian Conference on Earthquake Engineering, 1CroCEE / Lakušić, Stjepan ; Atalić, Josip (ur.).

Zagreb: University of Zagreb, Faculty of Civil Engineering, Zagreb, Croatia, 2021. pg. 1049-1058

doi:10.5592/CO/1CroCEE.2021.115

(in-extenso)

Seismic performance of rammed earth walls of traditional houses

[2020]

<https://repozitorij.gfos.hr/islandora/object/gfos%3A1691>

Perić, Ana

Master thesis

Faculty of Civil Engineering and Architecture Osijek

Collapse mechanisms of rammed earth walls

[2020]

<https://www.bib.irb.hr/1082601>

Kraus, Ivan; Perić, Ana; Kraus, Lucija

Conference proceeding

Zbornik radova desetog susreta hrvatskog društva za mehaniku / Damjanović, Darko ; Kozak, Dražan ; Konjatić, Pejo ; Katinić, Marko (ur.).

Slavonski brod: Hrvatsko društvo za mehaniku, 2020. pg. 129-134

An introduction to composite steel and concrete structures from a student perspective

[2020]

<https://repozitorij.gfos.hr/islandora/object/gfos%3A1473>

Boduljak; Bošnjak; Jurić; Lucić, M.; Lucić, N.; Perić; Pervan; Vrdoljak; Vujčić

Composite steel and concrete structures through 19 topics for mastering the basics of this type of joint application of steel and concrete, seen through the perspective of graduate students.

Vortex-induced vibration analysis on Tokyo Bay Bridge

[2019]

www.researchgate.net/publication/337465426_Nonlinear_Analysis_of_Structures_Wind_Induced_Vibrations

Othman, Reyadh; Perić, Ana; Sharma, Alok; Terra, Ranieri; Vrdoljak, Ivan

Written during of M.Sc. Course Nonlinear Analysis of Structures: Wind Induced Vibrations

Nonlinear Analysis of Structures: Wind Induced Vibrations / Vilceanu, Abrahamczyk, Morgenthal :

Bauhaus_University Weimar, In part of the Erasmus + SP Project Forecast Engineering, 2019, pg. 136-179

Simple off-the-shelf crack detector for small-scale centrifuge models

[2018]

<https://www.bib.irb.hr/991131>

Perić, Ana; Kraus, Ivan; Cerovečki, Adriana

Forecast Engineering: From Past Design to Future Decision

Weimar, 2018. pg. 1-7

(in extenso)

Semi-active structural control using wireless structural health monitoring and tuned liquid column dampers

[2018]

www.researchgate.net/publication/329702705_Semi-active_structural_control_using_wireless_structural_health_monitoring_and_tuned_liquid_column_dampers

Hernandez; Nawar; Perić; Roman; Torres; Zaied

Written during Bauhaus Summer School

(in-extenso)

NETWORKS AND MEMBERSHIPS

Croatian Society of Mechanics

[May 2021 – Current]

Croatian Geotechnical Society

[Jun 2021 – Current]

REGISTRY NUMBER OF THE SCIENTIST AT MINISTRY OF SCIENCE AND EDUCATION OF REPUBLIC OF CROATIA

391324