

CV



NAME	Živa Kristl
E-MAIL	ziva.kristl@evro-pf.si
QUALIFICATION	BArch, MSc, PhD
CURRENT POSITION	New university European faculty of law Professor for the field of Law and management of real estate
MAIN RESEARCH FIELDS	The field of research are energy use in buildings, building envelope systems as well as quality of indoor environment, design methodologies, principles of complex thermal (heating and cooling) and daylight dependent design of buildings, evaluation of thermal and illuminance response, in the last period devotes attention to energy retrofitting of buildings.
EDUCATION	1987: University graduate degree in architecture University of Ljubljana, Faculty of Architecture, Civil Engineering and Geodesy, Department of Architecture, Ljubljana (Slovenia), Thesis: architectural and town-planning scheme of the area between Resljeva, Trubarjeva, Vidovdanska and Komenskega streets. 1991: Master of Science degree University of Ljubljana, Faculty of Architecture, Civil Engineering and Geodesy, Department of Architecture, Ljubljana (Slovenia), Master's thesis: Renewable energy and rational use of land in organized housing construction. 1996: Doctoral degree University of Ljubljana, Faculty of Architecture, Ljubljana (Slovenia) doctoral thesis: Energy-saving housing designs with daylight guiding features. Study abroad: 1992 - one-and-half-month scholarship to study at the AA School of Architecture, London, (TEMPUS JEP 1802) 1993 - one-month scholarship to study at the AA School of Architecture, London (TEMPUS JEP 1802)
TEACHING EXPERIENCE	Between 1987 and 2014 was assistant and then assistant professor at UL FGG at the undergraduate, masters and doctoral programs of civil engineering, and visiting professor at the Technical Faculty, University of Rijeka (Croatia). Since 2015 has been associate professor at the European faculty of law. Under her supervision or co-supervision three thesis's received the Prešeren award for students.

WORK EXPERIENCE

At the study programme Law and management of real estate currently lectures the following subjects:

Undergraduate: Buildings Designing

Master degree: Design of the Residential Buildings

Doctoral studies: Design of the buildings

Between 1987 and 1988 had worked as a practicing architect, then became a researcher at the University of Ljubljana and has worked in the field of energy use in buildings. In 1996 was invited as an expert to participate in the preparation of the new Slovenian technical regulations in the field of building physics.

From 1997 had worked at UL FGG as a teacher in various titles. Devoted particular attention to buildings, building envelopes, applied building physics and energy in buildings. Participated in 6 national research projects, 6 international educational projects (e.g. Continuing Education Module for Environmental-Health Engineers - ETF/97/VET/0069 CEMEHE, Tempus IB_JEP-14125-1999, CD 89/106/EEC in SLO Construction Works Regulations, 1999-2001 and 7 international R & D projects (eg. MARIE Project MED, 1S-MED 10-002 Mediterranean Building Rethinking for Energy Efficiency, Improvement, 2011-2014, SARA (energy efficiency in commercial buildings), TREN/04/FP6EN/S07.31838/503183, 2004-2007, MUSEUMS (energy efficiency and retrofitting of museum buildings, NNE5-1999-20, 2000-2004), which were intended primarily for the development of energy efficiency in buildings, improving the quality of comfort in buildings and raising awareness of the professionals and the public servants of building legislation and problems of the built environment. Since 2015 has been associate professor at EPF. Lately also devotes attention to projects and consulting.

Was member of the organizing committee of the Second ISES-Europe Solar Congress 1998.

Has been reviewer for several domestic and foreign scientific journals. Was awarded "Certificate of Excellence in reviewing" by the journal Energy and buildings for the years 2012 and 2014. Has reviewed EU project proposals and project advancement.

Had been member of the International Solar Energy Society from 1988 to 2014 and long-time secretary / treasurer of the Slovenian Society for alternative energy sources.

PUBLICATIONS

Latest books and chapters in books:

1. KRISTL, Živa. Trajnostni vidiki stanovanjske gradnje. 1. natis. Nova Gorica: Nova univerza, Evropska pravna fakulteta, 2019.
2. KRISTL, Živa. Ranljivost nepremičnin v okviru intenziviranja podnebnih sprememb. V: GRUM, Bojan (ur.). Znanstvene razprave s področja nepremičnin. 1. natis. Nova Gorica: Nova univerza, Evropska pravna fakulteta, 2019. Str. 153-177.

Published more than 80 articles in the field of energy use and user comfort in buildings. Main scientific articles:

1. KRISTL, Živa, SENIOR, Coline, TEMELJOTOV SALAJ, Alenka. Ključni izzivi prilagajanja podnebnim spremembam v gradbenem sektorju = Key challenges of climate change adaptation in the building sector. Urbani izziv.

- [Tiskana izd.]. 2020, letn. 31, št. 1, str. 40-50, 101-111, ilustr. ISSN 0353-6483
2. KOŠIR, Mitja, GOSTIŠA, Tamara, KRISTL, Živa. Influence of architectural building envelope characteristics on energy performance in Central European climatic conditions. *Journal of building engineering*, ISSN 2352-7102. [Online ed.], jan. 2018, letn. 15, str. 278-288, [COBISS.SI-ID 8237409]
 3. PAJEK, Luka, KOŠIR, Mitja, KRISTL, Živa, KACJAN ŽGAJNAR, Katarina, DOVJAK, Mateja. Indoor environmental quality (IEQ) in Slovenian children daycare centres. Part I, Results of in-situ measurements. *Sanitarno inženirstvo*, ISSN 1854-0678, dec. 2017, vol. 11, no. 1, str. 4-18, [COBISS.SI-ID 8389473]
 4. KRISTL, Živa, TEMELJOTOV SALAJ, Alenka. Sustainability principles in retrofitting and re-use of industrial heritage buildings. V: GRUM, Bojan (ur.), TEMELJOTOV SALAJ, Alenka (ur.). *Proceedings. Ljubljana: Institute of Real Estate Studies*. 2017, str. 20-33. [COBISS.SI-ID 1024744817]
 5. BLECICH Paolo, FRANKOVIĆ Marko, KRISTL Živa, Energy retrofit of the Krsan Castle: From sustainable to responsible design—A case study, *Energy and Buildings*, Volume 122, 15 June 2016, Pages 23-33. <http://dx.doi.org/10.1016/j.enbuild.2016.04.011>
 6. KRISTL, Živa. Implementation of innovative energy retrofitting measures in heritage buildings - a review. V: FRANKOVIĆ, Bernard (ur.). *Energija i okoliš 2016 : prilagodba klimatskim promjenama i energijska sigurnost na JI Europe - čista energija za bolji svijet = Energy and the environment 2016*, Međunarodni kongres Energija i okoliš, Opatija, Croatia, October 26-28, 2016. Rijeka: Hrvatski savez za sunčevu energiju. 2016, str. 349-358.
 7. KOŠIR, Mitja, GOSTIŠA, Tamara, KRISTL, Živa. Search for an optimised building envelope configuration during earl design phase with regard to the heating and cooling energy consumption. V: HÁJEK, Petr (ur.). *Innovations for sustainable future : electronic proceedings*. Prague: Czech Technical University. 2016, str. 805-812.
 8. LOGAR, Vito, KRISTL, Živa, ŠKRJANC, Igor. Using a fuzzy black-box model to estimate the indoor illuminance in buildings. *Energy and buildings*, ISSN 0378-7788. [Print ed.], Feb. 2014, vol. 70, str. 343-351, ilustr., doi:10.1016/j.enbuild.2013.11.082. [COBISS.SI-ID 10309972], [JCR, SNIP, WoS do 2. 8. 2015: št. citatov (TC): 1, čistih citatov (CI): 1, normirano št. čistih citatov (NC): 1, Scopus do 3. 2. 2016: št. citatov (TC): 3, čistih citatov (CI): 3, normirano št. čistih citatov (NC): 3]
 9. KOŠIR, Mitja, CAPELUTO, Isaac Guedi, KRAINER, Aleš, KRISTL, Živa. Solar potential in existing urban layouts : critical overview of the existing building stock in Slovenian context. *Energy policy*, ISSN 0301-4215. [Print ed.], jun. 2014, letn. 69, št. X, str. 443-456, ilustr., doi: 10.1016/j.enpol.2014.01.045. [COBISS.SI-ID 6496609], [JCR, SNIP, WoS do 30. 6. 2014: št. citatov (TC): 0, čistih citatov (CI): 0, normirano št. čistih citatov (NC): 0, Scopus do 3. 2. 2016: št. citatov (TC): 1, čistih citatov (CI): 1, normirano št. čistih citatov (NC): 1]
 10. DOVJAK, Mateja, KOŠIR, Mitja, KRISTL, Živa. Integral interventions for improved indoor air quality in energy efficient kindergartens. V: FRANKOVIĆ, Bernard (ur.). *Energija i okoliš 2014 : međunarodni kongres : [nove tehnologije u energetici i zaštiti okoliša] = Energy and the environment 2014 : international congress : [new technologies in energy*

- engineering and environmental protection], XXIV. znanstveni skup o energiji i zaštiti okoliša = 24th Scientific Conference on Energy and the Environment, Opatija - Croatia, October 22 - 24, 2014. Opatija: Hrvatski savez za sunčevu energiju = Croatian solar energy association. 2014, str. 261-270.
11. TOMAŽIČ, Simon, LOGAR, Vito, KRISTL, Živa, KRAINER, Aleš, ŠKRJANC, Igor, KOŠIR, Mitja. Indoor-environment simulator for control design purposes. *Building and environment*, ISSN 0360-1323. [Print ed.], Dec. 2013, vol. 70, str. 60-72, ilustr., doi: 10.1016/j.buildenv.2013.08.026. [COBISS.SI-ID 10062676], [JCR, SNIP, WoS do 3. 1. 2015: št. citatov (TC): 3, čistih citatov (CI): 2, normirano št. čistih citatov (NC): 2, Scopus do 4. 2. 2016: št. citatov (TC): 5, čistih citatov (CI): 4, normirano št. čistih citatov (NC): 14]
 12. DOVJAK, Mateja, KUKEC, Andreja, KRISTL, Živa, KOŠIR, Mitja, BILBAN, Marjan, SHUKUYA, Masanori, KRAINER, Aleš. Integral control of health hazards in hospital environment. *Indoor + built environment*, ISSN 1420-326X, okt. 2013, letn. 22, št. 5, str. 776-795, ilustr. <http://ibe.sagepub.com/content/22/5/776.full.pdf>, doi: 10.1177/1420326X12459867. [COBISS.SI-ID 5988705], [JCR, SNIP, WoS do 4. 1. 2016: št. citatov (TC): 4, čistih citatov (CI): 3, normirano št. čistih citatov (NC): 3, Scopus do 14. 10. 2015: št. citatov (TC): 4, čistih citatov (CI): 3, normirano št. čistih citatov (NC): 3]
 13. KOŠIR, Mitja, KRAINER, Aleš, KRISTL, Živa. Integral control sistem of indoor environment in continuously occupied spaces. *Automation in construction*, ISSN 0926-5805. [Print ed.], 2012, letn. 21, št. 1, str. 199-209, ilustr., doi:10.1016/j.autcon.2011.06.004. [COBISS.SI-ID 5442145], [JCR, SNIP, WoS do 4. 8. 2015: št. citatov (TC): 5, čistih citatov (CI): 2, normirano št. čistih citatov (NC): 2, Scopus do 4. 8. 2015: št. citatov (TC): 8, čistih citatov (CI): 3, normirano št. čistih citatov (NC): 3]
 14. KOŠIR, Mitja, KRAINER, Aleš, DOVJAK, Mateja, KRISTL, Živa. Automatically controlled daylighting for visual and nonvisual effects. *Lighting research & technology*, ISSN 1477-1535. [Print ed.], 2011, letn. 43, št. 4, str. 439-455, ilustr., doi:10.1177/1477153511406520. [COBISS.SI-ID 5347425], [JCR, SNIP, WoS do 7. 1. 2014: št. citatov (TC): 1, čistih citatov (CI): 0, normirano št. čistih citatov (NC): 0, Scopus do 3. 9. 2014: št. citatov (TC): 4, čistih citatov (CI): 1, normirano št. čistih citatov (NC): 1]
 15. KOŠIR, Mitja, KRAINER, Aleš, DOVJAK, Mateja, PERDAN, Rudi, KRISTL, Živa. Alternative to the Conventional Heating and Cooling Systems in Public Buildings. *Strojniški vestnik*, ISSN 0039-2480, 2010, letn. 56, št. 9, str. 575-283, ilustr. <http://drugg.fgg.uni-lj.si/3782/>. [COBISS.SI-ID 5327713], [JCR, SNIP, WoS do 6. 4. 2015: št. citatov (TC): 8, čistih citatov (CI): 4, normirano št. čistih citatov (NC): 4, Scopus do 24. 3. 2011: št. citaov (TC): 0, čistih citatov (CI): 0, normirano št. čistih citatov (NC): 0]
 16. KRISTL, Živa, KRAINER, Aleš. Influence of movable reflector on thermal response of an atrium building. *International journal of sustainable energy*, ISSN 1478-6451, September 2008, št. 3, letn. 27, str. 121-130, ilustr. <http://web.ebscohost.com/ehost/pdf?vid=4&hid=11&sid=ea05d78a-bcb6-4ad1-ad6e-059b57a34756%40sessionmgr4>, doi: 10.1080/14786450802316511. [COBISS.SI-ID 4775777], [SNIP, Scopus do 10. 6. 2012: št. citatov (TC): 0, čistih citatov (CI): 0, normirano št. čistih citatov (NC): 0]

17. KRISTL, Živa, KOŠIR, Mitja, TROBEC LAH, Mateja, KRAINER, Aleš. Fuzzy control system for thermal and visual comfort in building. *Renewable energy*, ISSN 0960-1481. [Print ed.], apr. 2008, vol. 33, iss. 4, str. 694-702, ilustr., doi:10.1016/j.renene.2007.03.020. [COBISS.SI-ID 3476065], [JCR, SNIP, WoS do 8. 2. 2015: št. citatov (TC): 16, čistih citatov (CI): 13, normirano št. čistih citatov (NC): 10, Scopus do 9. 1. 2016: št. citatov (TC): 31, čistih citatov (CI): 27, normirano št. čistih citatov (NC): 20]
18. KRISTL, Živa, KRAINER, Aleš. Energy evaluation of urban structure and dimensioning of building site using iso-shadow method. *Solar energy*, ISSN 0038-092X. [Print ed.], 2001, vol. 70, n. 1, str. 23-34, ilustr. [COBISS.SI-ID 1176417], [JCR,SNIP, WoS do 15. 3. 2015: št. citatov (TC): 9, čistih citatov (CI): 8, normirano št. čistih citatov (NC): 13, Scopus do 15. 11. 2015: št. citatov (TC): 17, čistih citatov (CI): 15, normirano št. čistih citatov (NC): 24]
19. KRISTL, Živa, KRAINER, Aleš. Light well in residential building as a complementary daylight source. *Solar energy*, ISSN 0038-092X. [Print ed.], 1999, vol. 65, n. 3, str. 197-206, graf. prikazi. [COBISS.SI- ID 629345], [JCR, SNIP, WoS do 18. 1. 2016: št. citatov (TC): 6, čistih citatov (CI): 5, normirano št. čistih citatov (NC): 10, Scopus do 17. 11. 2015: št. citatov (TC): 10, čistih citatov (CI): 9, normirano št. čistih citatov (NC): 18]

Chapter in a book:

1. KRAINER, Aleš, KRISTL, Živa. Harmonization of Optical and Thermal Behaviour of Buildings. V: CRISINEL, M. (ur.). *EU COST C13 Glass and Interactive Building Envelopes : Final report*, (Research in Architectural Engineering Series, ISSN 1873-6033, Vol. 1). Amsterdam: IOS Press, 2007, str. 57-67.
2. KRAINER, Aleš, PETERNELJ, Jože, KRISTL, Živa, LAMPRET, Vito. Luminous Efficacy Based on Fuzzy Controlled Roller Blind Positioning. V: CRISINEL, M. (ur.). *EU COST C13 Glass and Interactive Building Envelopes : Final report*, (Research in Architectural Engineering Series, ISSN 1873-6033, Vol. 1). Amsterdam: IOS Press, 2007, str. 67-75.

Patent application:

1. Kristl, S., Kristl, Ž., Pneumatically thermoinsulative window or transparent facade element, Ljubljana, October 1990; patent 1960/90.

Entire bibliography available at:

<http://sicris.izum.si/search/rsr.aspx?opt=1&lang=slv&id=7052>

DATE

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