

Kalliopi Zografopoulou

Curriculum Vitae

Sp. Spiridi 129A
38221 Volos, Greece
☎ (+30) 6932252007
☎ (+30) 2421045115
✉ kazograf@gmail.com



Info

Birth 16 October 1982 , Volos, Greece
Address Sp. Spiridi 129A, 38221 Volos, Greece
Mobile (+30) 6932252007
Landline (+30) 2421045115
Email kazograf@gmail.com

Research Interests

Fire Protection Engineering, Structural Simulation, Finite Element Analysis, Steel Structures, Concrete Structures, Computational Fluid Dynamics

Education

- 2019 **Doctoral Diploma in Civil Engineering**, University of Thessaly, Volos, Greece.
2013 **M.Sc. in Applied Mechanics and Systems Modeling and Simulation**,
University of Thessaly, Volos, Greece.
2010 **Diploma in Civil Engineering**, University of Thessaly, Volos, Greece.
Division: Structural Engineering

Theses

Doctoral Dissertation

title *Fire Behavior of Steel Members with Damaged Fire Protective Coatings*
supervisor Prof. E. Mistakidis

Master Thesis

title *Numerical Simulation of Natural Fire in an Industrial Building*
supervisor Prof. E. Mistakidis

Diploma Thesis

title *Study of the Effectiveness of the Greek Code's Application in the Design of R-C Short Columns*
supervisor Ass. Prof. M. Moretti

Papers in Scientific Journals

- 2019 **Zografopoulou, K.** and Mistakidis, E., "Numerical Simulation of Damage on Cementitious Sprayed Fire-Resistive Materials Applied on Steel Plates" *Fire Technology*, 1–34. 208

Papers in Book Publications

- 2014 **Zografopoulou, K.** and Mistakidis, E., "FDS-CFD analysis of temperature development in an enclosure from a fire with a defined heat release rate" *COST Action TU0904 – Benchmark studies, Experimental validation of numerical models in fire engineering*, CTU Publishing House, Czech Technical University in Prague

Conference Papers

- 2019 **Zografopoulou K.** and Mistakidis E., "Numerical simulation of the damage of SFRM coatings at the plastic hinge area of steel beams" *12th HSTAM International Congress on Mechanics*, Thessaloniki, Greece, September 2019
- 2018 **Zografopoulou K.**, Pantousa D. and Mistakidis E., "Fire-after-earthquake behavior of industrial facilities with fire protected steel structural system" *16th European Conference on Earthquake Engineering*, Thessaloniki, June 2018
- 2017 **Zografopoulou K.** and Mistakidis E., "Numerical study of the thermal behavior of steel members with damaged SFRM coatings" *9th National Conference on Steel Structures*, Larisa, Oct.2017
- 2017 Goula Ch., Malkotsi Ch., **Zografopoulou K.**, Pantousa D., "Numerical simulation of pool hydrocarbon fires and their effect on adjacent tanks" *8th National Conference on Steel Structures* , Larisa, Oct.2017
- 2017 **Zografopoulou K.** and Mistakidis E., "Numerical simulation of the behaviour of steel members with damaged SFRM fire protection coatings at elevated temperatures" *8th European Conference on Steel and Composite Structures*, Sep.2017
- 2014 **Zografopoulou K.** and Mistakidis E., "Fire design of structures with the aid of computational fluid dynamics" *8th National Conference on Steel Structures* , Tripoli, Greece, October 2014
- 2013 **Zografopoulou K.**, Pantousa D. and Mistakidis E., "Numerical Simulation of Natural Fire in an Industrial Building Considering Earthquake Damage of Non-Structural Members" *Application of Structural Fire Engineering*, Prague, Czech Republic, April 2013
- 2013 **Zografopoulou K.**, Pantousa D. and Mistakidis E., "The Fire-After-Earthquake Event In a Library Building, Part 1: Simulation Of The Natural Fire" *10th HSTAM International Congress on Mechanics*, Chania, Greece, May 2013
- 2013 Pantousa D., **Zografopoulou K.** and Mistakidis E., "The Fire-After-Earthquake Event In a Library Building, Part 2: Simulation Of The Structural Behavior" *10th HSTAM International Congress on Mechanics*, Chania, Greece, May 2013
- 2009 **Zografopoulou K.**, and Moretti M. , "Conclusions from the Application of the Greek Code's Guidelines for the Design of RC Short Columns" *16th Hellenic Concrete Conference*, Paphos, Cyprus, 2009

Scholarships

- 2017 Greek State Scholarship Foundation (IKY) under the action “Scholarship program for post graduate doctoral studies” (2 years)
- 2013 Short Term Scientific Mission at School of Engineering, University of Edinburgh, 4-13 November, Edinburgh, United Kingdom

Research Programs

- 2013 - 2014 COST - TU0904: Integrated Fire Engineering and Response (European Research Action)

Workshops

- 2014 COST Training School, "Advanced Fire Engineering in Practice - Software Tools", 12-15 March , Lulea, Sweden (2nd place award in "Software Tools Usage")
- 2013 COST Training School, "Research - Key Issues for the Future of Fire Engineering", 6-9 June, Naples, Italy

Teaching Experience

- 2015-2019 Co-teaching of the course "Integrated design against fire" in the post graduate program of the Dept. of Civil Engineering, University of Thessaly

Skills

Programming Languages

FORTRAN 90/95, Python

Computer Software

MCS-MARC, Fire Dynamic Simulator (FDS), SAP2000, ETABS, MATLAB

Languages

English - Proficiency level

Italian - Beginner level

Greek - Native