

Articles in refereed publications:

1. Zalok, E., and Lushaka, B., "Development of Sensing Device to Reduce the Risk from Kitchen Fires" *J. Fire Technology* (accepted Jul 2011).
2. Wang, Y., Zalok, E., and Hadjisophocleous, G.V., "An Experimental Study of Smoke Movement in Multi Storey Buildings" *J. Fire Technology*, Vol., 47, 1141-1169, 2011.
3. Kurosky, J., Hughes, B., Zalok, E., Abdel Halim, A.O., and Tolba, A., "On Ameliorating the Residual Strength of Reinforced Concrete Panels Subjected to Elevated Temperature" *J. of Construction & Building Materials*, doi:10.1016/j.conbuildmat.2011.06.011
4. Zalok, E. and Hadjisophocleous, G.V., "Assessment of the Use of Fire Dynamics Simulator in Performance-Based Design" *J. Fire Technology*, Vol. 47, 1081–1100, 2011.
5. Copeland, C., Newman, P., Mukhopadhyaya, P., Van Reenen, D., Kumaran, K., El Khanagry, R., and Zalok, E., "Moisture Performance of Exterior Wall Assembly Design in Wood-frame Construction in Beijing, China" *J. of Building Enclosure Design*, Vol. 2, pp 11-15, 2010.
6. Zalok, E., Hadjisophocleous, G.V., and Mehaffey, J.R., "Fire Loads in Commercial Premises" *J. of Fire and Materials*, Vol. 33, pp 63-78, 2009.
7. Zalok, E., Hadjisophocleous, G.V., and Lougheed, G.D., "Design Fire Experiments for Commercial Premises" *J. of Fire Sciences*, Vol. 27, No. 4, 369-403, 2009.
8. Hadjisophocleous, G.V., and Zalok, E., "Experiments for the Characterization of Design Fires for Commercial Buildings" *ASHRAE Transactions*, Chicago, Vol. 112, Part 1, pp 394-400, 2006.

Articles submitted to refereed publications:

9. George Alsayegh, Phalguni Mukhopadhyaya, Ehab Zalok, Jieying Wang, Gordon Sherrer "Preliminary Assessment of Hygrothermal Properties of Cross Laminated Timber (CLT) Panels" Canadian Society for Civil Engineering, 3rd Int. Structural Specialty Conference, submitted Oct 2011
10. Yan Wang, George Hadjisophocleous, and Ehab Zalok, "Smoke Movement in Multi-storey Buildings Using CUsMoke" *J. of fire Safety*, Submitted Oct 2011.
11. Porcari, G-L, Zalok, E., Isgor, O.B. "Fire Performance of Corrosion Damaged Reinforced Concrete Beams," *J. Structural Fire Engineering*, submitted Sep 2011
12. Salem, O., Hadjisophocleous, G., and Zalok, E., "Experimental Examination of the Performance of Restrained Tubular Steel Beams and Their End Connections in Fire" *J. Structural Fire Engineering*, submitted Sept 2011.
13. Porcari, G-L, Isgor, O.B., Zalok, E. "Post-Fire Residual Capacity of Corrosion Damaged Reinforced Concrete Beams," *ACI Structural Journal*, submitted Jun 2011.

2.3 Other refereed contributions

14. Salem, O., Hadjisophocleous, G., and Zalok, E., "Fire Modelling of Axially-Restrained Tubular Steel Beams" *International Conference on Application of Structural Fire Engineering (ASFE)*, Prague, Czech Republic, pp: 49–54, 2011.
15. Wang, Y., Hadjisophocleous, G.V., and Zalok, E. "A Study of Smoke Movement in Multi-storey Buildings Using Computer Modelling" 1st Int. Conference in Safety and Crisis Management Construction, Cyprus, June 24-28, 2011.
16. Salem, O., Hadjisophocleous, G., and Zalok, E., "Structural Performance of Extended End-Plate Connections between Tubular Steel Members in Fire" 13th Int. Symposium on Tubular Structures (ISTS13), Hong Kong, pp: 699–705, 2010.

17. Osborne, L., Zalok, E., Hadjisophocleous, G.V., "Assessment of the impact of upholstered furniture on the severity of home fires" Interflam, UK, Vol. 1, pp 1617-1622, 2010.
18. Kurosky, J., Hughes, B., Zalok, E., Abdel Halim, A.O., and Tolba, A., "An Investigation into the Effects of Fire Exposure and Dynamic Loading on Retrofitted Concrete" Green Building Ottawa Conference, Ottawa, 2010.
19. Mukhopadhyaya, P., El Khanagry, R., Van Reenen, D., Copeland, C., Kumaran, K., Newman, P., and Zalok, E., "Use of Hygrothermal Simulation Tool to Develop Design Guidelines for Canadian Style Wood Frame Building Envelope Construction in Taiwan" 12th Conference on Building Science and Technology, Montreal, QC, pp 1-12, 2009.
20. Hadjisophocleous, G.V., and Zalok, E., "Development of Design Fires for Performance-Based Designs" Keynote Paper, 9th Int. Symposium on Fire Safety Science (IAFSS), Germany, pp 63-78, 2008.
21. Chen, Z., Hadjisophocleous, G.V., and Zalok, E., "A Survey of Fire Loads in Motels and Hotels" 3rd Int. Symposium of Research and Education for Fire Safety Science, Tokyo, pp 235-247, 2008.
22. Mukhopadhyaya, P., Van Reenen, D., Kumaran, K., Copeland, C., Newman, P.J., El Khanagry, R., and Zalok, E., "Moisture Performance Assessment of Wood-frame Exterior Building Envelope Construction in China and Taiwan" 8th Nordic Symposium on Building Physics, Copenhagen, pp. 1-8, 2008.
23. Zalok, E., and Hadjisophocleous, G.V., "Characterizing of Design Fires for Clothing Stores" 4th Int. Seminar on Fire and Explosion Hazards, Edinburgh 2007.
24. Zalok, E., Bwalya, A., and Hadjisophocleous, G.V., "Medium-scale Fire Experiments of Commercial Premises" Fire and Materials Conference, San Francisco, U.S.A., pp. 151-162, 2005.
25. Zalok, E., and Hadjisophocleous, G.V., "Characterizing of Design Fires for Clothing Stores" Poster at the 4th International Symposium on Fire Safety Science (IAFSS), China, pp 1658, 2005.
26. Hadjisophocleous G.V., and Zalok, E., "Fire Loads and Design Fires for Commercial Buildings", 10th Int. Fire Science and Engineering Conference Proceedings, Scotland, pp 435-446, 2004
27. Hadjisophocleous, G.V., and Zalok, E., "Development of Design Fires for Commercial Buildings," Fire Safety Engineering: Issues and Solutions (FSE), Sydney, Australia, 2004.
28. Hadjisophocleous, G.V., and Zalok, E., "A Survey of Fire Loads on Commercial Floors of Office Buildings" 4th Int. Seminar on Fire and Explosion Hazards, Ireland, pp 493-503, 2003.
29. Zalok, E., El Behairy, S., El Nawawy, O.A, and Hamdi, O., "Behaviour of Reinforced Concrete Beams Reinforced with Fusion-Bonded Epoxy Coated Rebars" Ain Shams Structural Engineering Publications, 1997, pp 1-202.
30. El Behairy, S., El Nawawy, O.A, Hamdi, O., and Zalok, E., "Effect of Fusion-Bonded Epoxy Coated Rebars on the Structural Behaviour of Reinforced Concrete Beams" The 7th Arab Structural Engineering Conference, 1997, Vol. 1, pp 347-355.
31. El Behairy, S., El Nawawy, O.A., Hamdi, O., and Zalok, E. "Shear Behaviour of Reinforced Concrete Beams Reinforced with Fusion-Bonded Epoxy Coated Reinforcement" Inter Build Conference, 1996, Vol. 2, pp 1005-1015.

Scholarly reports and non-refereed contributions

32. Zalok E., and Eduful, J., “Validation of Methodologies to Determine Fire Load for Use in Structural Fire Protection” Technical Report issued to the Fire Protection Research Foundation, National Fire Protection Association, USA, 2011.
33. Zalok, E., and Tiwana, K., “Moisture and Thermal Performance of Building Materials and Envelopes” Technical Report issued to the National Research Council of Canada (NRC – IRC), 2010.
34. Zalok, E., and Tiwana, K., “Assessment of Moisture Performance of Wood-Frame Walls in Shanghai and Beijing, China” Technical Report issued to the Council of Forest Industries (COFI), 2010.
35. Zalok, E., Hadjisophocleous, G. V., and Osborne, L., “Development of Database on Fire Behaviour of Upholstered Furniture in Houses-Phase I” Technical Report issued to the Canada Mortgage and Housing Corporation (CMHC), CR File No.: 6585-Z013-1, 2010.
36. Zalok, E., and El Khanagry, R., “Assessment of Moisture Performance of Canadian Wood-Frame Envelopes in Taiwan” Technical Report issued to the National Research Council of Canada (NRC – IRC), 2008.
37. Bwalya, A.C., Zalok, E., and Hadjisophocleous, G. V., “Design Fires for Commercial Premises - Results of Phase II” Technical Report issued to the National Research Council of Canada (NRC – IRC), Report #: RR-236, 2007.
38. Hadjisophocleous, G.V., and Zalok, E., “Educational Needs for Fire Safety Engineering” Technical Report issued to the National Research Council of Canada (NRC – IRC), 2007.
39. Bwalya, A. C., Zalok, E., and Hadjisophocleous, G. V., “Design Fires for Commercial Premises-Results of Phase I” Technical Report issued to the National Research Council of Canada (NRC – IRC), Report #: IR-868, 2006.
40. Zalok, E., and Hadjisophocleous, G. V. “Design Fires for Commercial Premises - Results of Phase I” Technical Report issued to the National Research Council of Canada (NRC – IRC), 68 pp, 2006.
41. Zalok, E. and Hadjisophocleous, G.V., “Survey of Fire Loads on Commercial Floors of Federal Government Office Buildings in the National Capital Region” Technical Report issued to the Department of Public Works and Government Services Canada (PWGSC), 75 pp, 2004.
42. Zalok, E. “Concrete Low Strength Material (CLSM) -Optimum Mix Design” Technical Report issued to the U.S. Army Corps of Engineers (USACE), 61 pp, 2001.