



HALLIWELL

DR PANOS KOTSOVINOS

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FIRE RESEARCH SERVICES

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BIOGRAPHY

Dr. Kotsovinos is a fire safety expert specialising in the analysis of steel, concrete and timber structures under fire conditions and developing bespoke experimental campaigns to research performance of structures in fire conditions. He has delivered multiple fire safety design projects internationally such as high-rise buildings, bridges, tunnels, stadia and arenas.

Dr. Kotsovinos has co-authored more than 80 papers in peer-reviewed academic journals and international conferences. Dr. Kotsovinos holds visiting academic appointments and supervises research projects at Imperial College London, UK and York University in Toronto, Canada and is a member of various standards making committees. Dr. Kotsovinos chaired the BSI panel that revised the BS PD 7974-3 standard on "Structural fire response and fire spread". He has received awards for his involvement in research and applying cutting-edge research to real projects. He lectures frequently at Imperial College London (MSc Module in Structural Fire Engineering) and has previously taught structural engineering courses at the University of Edinburgh.

Dr. Kotsovinos holds a BEng (Civil Engineering), MSc (Structural Engineering) and a PhD (Structural Fire Safety Engineering).

QUALIFICATIONS

Adjunct Professor, Department of Civil Engineering, York University Canada, 2020

Academic Visitor, Department of Mechanical Engineering, Imperial College London, 2017

PhD (Structural Fire Safety Engineering), Edinburgh University, 2013

MSc (Structural Engineering), Edinburgh Napier University, 2009

BEng (Civil Engineering), University of Portsmouth, 2008

INDUSTRY CERTIFICATIONS, LICENSES AND MEMBERSHIPS

- Panel leader for the revision of the PD7974-3 standard on "Structural fire response and fire spread" of the BS7974 fire safety engineering suite
- Member of BSI FSH/24 - Fire Safety Engineering (2016 - present)
- Member of ISO TC 92/SC 4 - Fire Safety Engineering (2016 - present)
- B/525/-/32 Eurocode Structural Fire Design co-ordination panel
- Member Editorial Board, Fire Technology

PROFESSIONAL EXPERIENCE

2023 – present | Senior Researcher | Halliwell Fire Research

2020 – present | Adjunct Professor | York University Canada

2017 – present | Academic Visitor | Imperial College London

DR PANOS KOTSOVINOS

SENIOR RESEARCHER, FIRE RESEARCH SERVICES

2013 – 2023 | Senior Fire Engineer | Arup UK

EXPERT WITNESS EXPERIENCE

During his previous time at Arup, Dr. Kotsovinos has worked on a number of expert witness proceedings in the United Kingdom. These projects were primarily related to a large military facility in Scotland with 17 residential buildings and one assembly building as well high-rise hospitals in England. The work focused on a wide range of aspects, including:

- Defects in applied structural fire protection of steel structures
- Remedial solutions on applied structural fire protection
- Combustible external cladding
- Position of cavity barriers in the external wall
- Lack of or defective fire compartmentation
- Fire load densities of occupancies
- Fire sprinkler effectiveness
- Reviewing fire tests of bespoke fire protection proposals
- Interim fire strategies during occupation

Dr. Kotsovinos work in expert witness cases has included desktop reviews, theoretical modelling & analysis (including non-linear finite element analysis, risk-based assessments and heat transfer analysis) and reviewing the assessments and analyses by other experts.

FIRE SAFETY DESIGN EXPERIENCE

Dr. Kotsovinos has worked for almost 11 years in consultancy Arup where he has worked on a variety of fire safety design projects such as a high-rise building, commercial, retail, residential, office and heritage buildings, stadiums and arenas, bridges, train/bus stations and tunnels. Examples include 52 Lime Street (London), M4 CaN Bridge (Wales), Copenhagen Arena (Denmark), Baku Stadium (Azerbaijan), Jurong Hub (Singapore) and a nuclear station.

LIST OF PUBLICATIONS

An updated list of Panos' publications are available in Google Scholar ([link](#)).

Journal Papers (peer-reviewed)

K. J. Kontoleon, I. Bakas, E. Cuce, S. Saboor, M. C.A. Torres, K. Georgiadis-Filikas, P. Kotsovinos, E. Efthimiou, K. G. Tsikaloudaki (2023) Analysing the impact of insulating material properties on the thermal performance of a novel composite precast concrete walling system exposed to elevated temperatures, Construction & Building Materials. <https://doi.org/10.1016/j.conbuildmat.2023.132501>

P. Kotsovinos, Y. Panev, H. Lilja, A. Mikkonen, A. Carlucci and P. Woodburn (2023) Reliability-based fire protection of structural cables due to deck fires on cable supported bridges, Structural Engineering International. <https://doi.org/10.1080/10168664.2023.2213257>

H. Mitchell, R. Amin, M. Heidari, P. Kotsovinos, G. Rein - Structural hazards of smouldering fires in timber buildings, Fire Safety Journal. <https://doi.org/10.1016/j.firesaf.2023.103861>

F. Lugaresi, B. Sędlak, P. Kotsovinos, G. Rein – Thermal Response of a Curtain Wall Framing System Under Fire Conditions, Fire Safety Journal.

<https://doi.org/10.1016/j.firesaf.2023.103850>

Z. Liu, H. Narasimhan, P. Kotsovinos, GQ Li, E. Kragh and P. Woodburn (2023) Enhancing fire resilience for cable-supported bridges: current knowledge and research gaps, Structural Engineering International. <https://doi.org/10.1080/10168664.2022.2164756>

P. Kotsovinos, E. Christensen, A. Glew, E. O'Loughlin, H. Mitchell, R. Amin, F. Robert, M. Heidari, D. Barber, G. Rein and J. Schulz (2023) Impact of partial encapsulation on the fire dynamics of an open-plan compartment with exposed CLT ceiling and glulam columns: CodeRed #04, Fire and Materials. <https://doi.org/10.1002/fam.3112>

H. Mitchell, P. Kotsovinos, F. Richter, D. Thomson, D. Barber and G. Rein (2022) Review of Fire Experiments in Mass Timber Compartments and their Contributions to the Engineering of Tall Buildings, Fire and Materials. <https://doi.org/10.1002/fam.3121>

F. Lugaresi, P. Kotsovinos, P. Lenk and G. Rein (2022) Review of the Mechanical Failure of Non-Combustible Facade Systems in Fire, Construction & Building Materials. <https://doi.org/10.1016/j.conbuildmat.2022.129506>

S. Watson, P. Kotsovinos, R. Al Hamd and J. Gales (2022) Development and Validation of a Methodology for the Thermal Analysis of Structural Cables Exposed to Fire, Engineering Structures. <https://doi.org/10.1080/10168664.2022.2101969>

E. Phillion, B. Chorlton, J. Gales, P. Kotsovinos (2022) A Review of Structural Fire Modelling Strategies for Timber Compartments and Experimental Gaps for Model Validation, Journal of Performance of Constructed Facilities. [https://doi.org/10.1061/\(ASCE\)CF.1943-5509.0001761](https://doi.org/10.1061/(ASCE)CF.1943-5509.0001761)

P. Kotsovinos, E. Christensen, E. Rackauskaite, A. Glew, E. O'Loughlin, H. Mitchell, R. Amin, F. Robert, M. Heidari, D. Barber, G. Rein and J. Schulz (2022) Impact of ventilation on the fire dynamics of an open-plan compartment with an exposed CLT ceiling and glulam columns: CodeRed #02, Fire and Materials. <https://doi.org/10.1002/fam.3082>

P. Kotsovinos, E. Rackauskaite, E. Christensen, A. Glew, E. O'Loughlin, H. Mitchell, R. Amin, F. Robert, M. Heidari, D. Barber, G. Rein and J. Schulz (2022) Fire dynamics inside an open-plan compartment with an exposed CLT ceiling and glulam columns: CodeRed #01, Fire and Materials. <https://doi.org/10.1002/FAM.3049>

E. Rackauskaite, P. Kotsovinos, D. Lange, and G. Rein (2021) Collapse Initiation and Mechanisms for Generic Multi-Storey Steel Frame Subjected to Fire, International Journal of High-Rise Buildings, 10, 4, 265-283. <https://doi.org/10.21022/IJHRB.2021.10.4.265>

E. Rackauskaite, M. Bonner, F. Restuccia, N. Fernandez-Anez, E. Christensen, N. Roenner, W. Węgrzyński, P. Turkowski, P. Tofiło, M. Heidari, P. Kotsovinos, I. Vermesi, F. Richter, Y. Hu, C. Jeanneret, R. Wadhwani, and G. Rein (2021) Fire Experiment inside a Very Large and Open-Plan Compartment: x-ONE, Fire Technology. <https://doi.org/10.1007/s10694-021-01162-6>

B. Nicoletta, J. Gales, P. Kotsovinos and E. Weckman (2021) Experimental Thermal Performance of Unloaded Spiral Strand and Locked Coil Cables Subject to Pool Fires, Structural Engineering International. <https://doi.org/10.1080/10168664.2021.1881943>

C. Jeanneret, B. Nicoletta, L. Robertson, J. Gales and P. Kotsovinos (2021) Guidance for the Post-Fire Structural Assessment of Prestressing Steel, *Engineering Structures*, 235.

<https://doi.org/10.1016/j.engstruct.2021.112023>

Y. Panev, P. Kotsovinos, Susan Deeny and Graeme Flint (2021) The use of machine learning for the prediction of fire resistance of composite shallow floor systems, *Fire Technology*.

<https://doi.org/10.1007/s10694-021-01108-y>

E. Rackauskaite, P. Kotsovinos and D. Barber (2020) Letter to the Editor: Design Fires for Open-Plan Buildings with Exposed Mass-Timber Ceiling, *Fire Technology*.

<https://doi.org/10.1007/s10694-020-01047-0>

P. Kotsovinos, E. Rackauskaite and S. Deeny (2020) The role of transfer beams on the global structural fire response of tall steel framed buildings, *Fire Safety Journal*.

<https://doi.org/10.1016/j.firesaf.2020.103172>

F. Richter, P. Kotsovinos, E. Rackauskaite and G. Rein (2020) Analysis of the thermal response of timber slabs exposed to travelling and traditional design fires, *Fire Technology*.

<https://doi.org/10.1007/s10694-020-01000-1>

P. Kotsovinos, R. Judge, G. Walker and P. Woodburn (2020) Fire performance of structural cables: current understanding, knowledge gaps and proposed research agenda, *Journal of Structural Engineering*, Vol. 146, Issue 8. [https://doi.org/10.1061/\(ASCE\)ST.1943-541X.0002703](https://doi.org/10.1061/(ASCE)ST.1943-541X.0002703)

B. Nicoletta, P. Kotsovinos and J. Gales (2020) Review of the fire risk, hazard, and thermo-mechanical response of bridges in fire, *Canadian Journal of Civil Engineering*, 47(4), 363-381.

<https://doi.org/10.1139/cjce-2018-0767>

C. Jeanneret, J. Gales, P. Kotsovinos and G. Rein (2020) Acceptance criteria for un-bonded post-tensioned concrete exposed to travelling and traditional design fires. *Fire Technology*, 56, 1229–1252. <https://doi.org/10.1007/s10694-019-00927-4>

M. Heidari, P. Kotsovinos and G. Rein (2020) Flame extension and the near field under the ceiling for travelling fires inside large compartments, *Fire and Materials*, 44(3), 423-436.

<https://doi.org/10.1002/fam.2773>

P. Kotsovinos, A. Atalioti, N. McKinsey, F. Lugaresi, G. Rein and A. Sadowski (2020) Analysis of the thermomechanical response of structural cables subjected to fire, *Fire Technology*, 56 (2). 515-543. <https://doi.org/10.1007/s10694-019-00889-7>

E. Rackauskaite, P. Kotsovinos, A. Jeffers and G. Rein (2019) Computational analysis of thermal and structural failure criteria of a multi-storey steel frame exposed to fire, *Engineering Structures*, 180, 524-543. <https://doi.org/10.1016/j.engstruct.2018.11.026>

F. Richter, A. Atreya, P. Kotsovinos and G. Rein (2019) The effect of chemical composition on the charring of wood across scales, *Proceeding of the Combustion Institute*, Volume 37, Issue 3, 2019, Pages 4053-4061. <https://doi.org/10.1016/j.proci.2018.06.080>

E. Rackauskaite, P. Kotsovinos, A. Jeffers and G. Rein (2017) Structural analysis of multi-storey steel frames exposed to travelling fires and traditional design fires, *Engineering Structures*, Volume 150, 1 November 2017, Pages 271–287.

<https://doi.org/10.1016/j.engstruct.2017.06.055>

E. Rackauskaite, P. Kotsovinos and G. Rein (2017) Structural response of a steel-frame building to horizontal and vertical travelling fires in multiple floors, *Fire Safety Journal*, 91, 542-552. <https://doi.org/10.1016/j.firesaf.2017.04.018>

E. Rackauskaite, P. Kotsovinos and G. Rein (2017) Model parameter sensitivity and benchmarking of explicit dynamic solver of LS-DYNA for structural analysis in case of fire, *Fire Safety Journal*, 90, 123–138. <https://doi.org/10.1016/j.firesaf.2017.03.002>

A. Law, P. Kotsovinos and N. Butterworth (2015) Engineering geometrically bi-linear columns to deliver fire resistance: standard heating. *Engineering Structures*, 100 590-598. <http://dx.doi.org/10.1016/j.engstruct.2015.06.046>

J. Jiang, L. Jiang, P. Kotsovinos, J. Zhang, A. Usmani, F. McKenna and G. Li (2015). OpenSees Software Architecture for the Analysis of Structures in Fire. *Journal of Computing in Civil Engineering*. [https://doi.org/10.1061/\(asce\)cp.1943-5487.0000305](https://doi.org/10.1061/(asce)cp.1943-5487.0000305)

Y. Jiang., P. Kotsovinos, A. Usmani, G. Rein and J. Stern-Gottfried (2013). Numerical investigation of thermal responses of a composite structure in horizontally travelling fires using OpenSees. *Procedia Engineering*, 62, 736-744. <http://dx.doi.org/10.1016/j.proeng.2013.08.120>

P. Kotsovinos, Y. Jiang and A. Usmani (2013) Effect of Vertically Travelling Fires on the Collapse of Tall Buildings. *International Journal of High-Rise Buildings*, 2(1) 49-62.

P. Kotsovinos and A. Usmani (2013). The World Trade Center 9/11 disaster and progressive collapse of tall buildings. *Fire Technology*, 49(3), 741-765. <https://doi.org/10.1007/s10694-012-0283-8>

Conference Papers

H. Mitchell, R. Amin, P. Kotsovinos, M. Heidari, D. Thomson, D. Barber, G. Rein, Observations of smouldering fire in a large timber compartment, *World Conference of Timber Engineering*, Oslo, Norway, 2023.

E. G. Christensen, B. Khoo, P. Kotsovinos, D. Barber, J. Schulz, Protection and thermal exposure of CLT ceiling and floor surfaces, *World Conference of Timber Engineering*, Oslo, Norway, 2023.

D. Barber, E. Christensen, P. Kotsovinos, M. Heidari, J. Schulz, Accounting for post-peak compartment temperature thermal degradation of mass timber, *World Conference of Timber Engineering*, Oslo, Norway, 2023.

A. Glew, R. Turnbull, F. Møller Poulsen, E. Christensen, P. Kotsovinos, E. O'Loughlin, D. Barber, J. Schulz, A design approach to external fire spread from buildings with exposed mass timber, *World Conference of Timber Engineering*, Oslo, Norway, 2023.

P. Kotsovinos, E. G. Christensen, H. Mitchell, R. Amin, M. Heidari, G. Rein, D. Barber, J. Schulz, Flame spread characteristics in large compartments with an exposed timber ceiling, *World Conference of Timber Engineering*, Oslo, Norway, 2023.

D. Barber, P. Kotsovinos, E. Christensen, E. O'Loughlin, J. Schultz, Implications on Mass Timber Structures from the Findings of the Very Large Compartment Fire Experiments, *International Conference of Structures in Fire*, Hong Kong, 2022.

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P. Kotsovinos, E. G. Christensen, M. Heidari, D. Barber, G. Rein, J. Schulz, The CodeRed experiments and structural fire severity of open-plan compartments with exposed timber ceilings, International Conference of Structures in Fire, Hong Kong, 2022.

A. Glew, E. O'Loughlin, P. Kotsovinos, D. Barber, J. Schulz, Application of the Law and O'Brien correlation for external flames to mass timber compartments, International Conference of Structures in Fire, Hong Kong, 2022.

F. Lugaresi, P. Kotsovinos, G. Rein, Computational Study on the Thermal Response of Curtain Wall Systems Exposed to Fire, 12th Asia-Oceania Symposium on Fire Science and Technology (AOSFST), 2021.

B. Khoo, P. Kotsovinos, G. Rein, Numerical study on the effect of cavity barriers and ventilation on façade cavity fire, 12th Asia-Oceania Symposium on Fire Science and Technology (AOSFST), 2021.

P. Kotsovinos, E. Rackauskaite, S. Deeny, The role of transfer beams on the structural fire response of tall steel framed buildings, In: Proceedings of the 13th IAFSS Symposium, University of Waterloo, Canada, 2021.

B. Nicoletta, J. Gales, P. Kotsovinos, The York-Arup Cable experiments: Implications for the fire design of cable-supported bridges, In: Proceedings of the IABSE Congress 2020 Christchurch, February 2021.

B. Nicoletta, J. Gales, P. Kotsovinos, Experimental fire performance of unloaded stay-cables for bridge infrastructure, In: Proceedings of the IABSE Congress 2020 Christchurch, February 2021.

M. Heidari, E. Rackauskaite, M. Bonner, E. Christensen, S. Morat, H. Mitchell, P. Kotsovinos, P. Turkowski, W. Wegrzynski, P. Tofilo, G. Rein, Fire experiments inside a very large and open-plan compartment: x-TWO, In: Proceedings of the Eleventh International Conference on Structures in Fire, University of Queensland, 2020.

B. Nicoletta, S. Watson, B. Chorlton, J. Gales, P. Kotsovinos, Experimental study of unloaded structural steel stay-cables under fire exposure, In: Proceedings of the Eleventh International Conference on Structures in Fire, University of Queensland, 2020.

P. Kotsovinos, E. Rackauskaite, R. Judge, G. Flint, P. Woodburn, The behaviour of bridge decks due to fire induced thermal expansion of protected stays cables, In: Proceedings of the Eleventh International Conference on Structures in Fire, University of Queensland, 2020.

E. Rackauskaite, P. Kotsovinos, G. Flint, Benchmarking of 3D steel shell element models native to LSDYNA for structural fire engineering applications, Proceedings of the International Conference on Applications of Structural Fire Engineering, NTU, Singapore, 2019.

P. Kotsovinos, Y. Panev, G. Flint, External steel columns: implications on the development of tensile membrane action, Proceedings of the International Conference on Applications of Structural Fire Engineering, NTU, Singapore, 2019.

M. Heidari, P. Kotsovinos and G. Rein (2018) Defining the Near-Field and Flame Extension under the Ceiling for Travelling Fires Inside Very Large Compartments, ASTM Committee E05 workshop on "Evaluating the fire resistance of structures", Washington DC.

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Y. Panev, T. Sofroniev & L. Bisby, P. Kotsovinos, G. Flint, Characterising the Thermomechanical Response of Steel Columns Subject to Localised Fires. In: Proceedings of the Tenth International Conference on Structures in Fire, Ulster, Northern Ireland, 2018.

Chloe Jeanneret, J. Gales, P. Kotsovinos, G. Rein, Design of Post Tensioned Concrete Structures Exposed to Travelling Fires. In: Proceedings of the Tenth International Conference on Structures in Fire, Ulster, Northern Ireland, 2018.

G. Flint, P. Kotsovinos, Y. Panev & P. Woodburn, Structural Design of Tall Steel Framed Buildings under Multistorey Fires. In: Proceedings of the Tenth International Conference on Structures in Fire, Ulster, Northern Ireland, 2018.

A. Temple, G. Walker, G. Flint, Y. Panev, P. Kotsovinos, Verification of 2D heat transfer models developed in LS-DYNA for structural fire engineering applications, Proceedings of the International Conference on Applications of Structural Fire Engineering, Manchester, UK, 2017.

E. Rackauskaite, G. Rein, P. Kotsovinos, The effect of vertically travelling fires on a multi-storey steel frame building, Proceedings of the International Conference on Applications of Structural Fire Engineering, Manchester, UK, 2017.

A. Atalioti, G. Rein, P. Kotsovinos & A. J. Sadowski, Computational study of the 2D thermal response of high-strength structural steel cables under various heating regimes, Proceedings of the International Conference on Applications of Structural Fire Engineering, Manchester, UK, 2017.

G. Flint, P. Kotsovinos, Y. Panev, P. Woodburn, Quantified risk assessment for the design of bridges against fire, 2nd International Conference on Fire and Blast, Glasgow, 2017.

P. Kotsovinos, G. Walker, S. Deeny, Reliability based fire severity assessment of modern buildings with open-plan spaces, 2nd International Conference on Fire and Blast, Glasgow, 2017.

P. Kotsovinos, G. Flint, G. Walker and B. Lane, Qualitative assessment of the fire hazard beneath bridges In: Proceedings of the 14th International Conference and Exhibition on Fire Science and Engineering (Interflam), Royal Holloway College, UK, 4-6 July 2016.

E. Rackauskaite, P. Kotsovinos, A. Jeffers and G. Rein, Structural Response of a Generic Steel Frame Exposed to Travelling Fires. In: Proceedings of the Ninth International Conference on Structures in Fire, Princeton, USA, 8-10 June 2016.

P. Kotsovinos, G. Walker, G. Flint and B. Lane, Assessing the fires on the deck of cable stayed bridges. In: Proceedings of the Ninth International Conference on Structures in Fire, Princeton, USA, 8-10 June 2016, pp. 759-767.

A. Law, P. Kotsovinos, N. Butterworth Engineering Inclined Columns to deliver fire resistance, 1st International Conference on Fire and Blast, Glasgow, 2nd-4th September 2015.

A. Law, P. Kotsovinos, N. Butterworth, Structural fire resilience for tall or unusual structures. In Second International Conference on Performance-based and Life-cycle Structural Engineering (pp. 1031-1040). School of Civil Engineering, UQ, 2015.

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P. Kotsovinos, A. Law, S. Deeny and N. Butterworth, Structural Fire Response of Tall Buildings with Inclined and Bi-Linear Perimeter Columns. In: Proceedings of the Eighth International Conference on Structures in Fire, Shanghai, China, 11-13 June 2014.

G. Rein, J. Stern-Gottfried, A. Law, Y. Jiang, P. Kotsovinos, M. Gillie, and A. Usmani, Progress on Travelling Fires: Novel Concept for the Structural Design of Large Enclosures. In: Interflam 2013, Windsor, United Kingdom, 24-26 June 2013

Y. Jiang, P. Kotsovinos, A. Usmani AS, G. Rein, J. Stern-Gottfried, Numerical investigation of thermal responses of a composite structure in horizontally travelling fires using OpenSees. In: Ninth Asia-Oceania Symposium on Fire Science and Technology, State Key Laboratory of Fire Science, University of Science & Technology of China, 17-20 October, Hefei, China, 2012.

P. Kotsovinos, A. Usmani, Modelling the response of trusses in fire, In: Proceedings of Association of Computational Mechanics in Engineering Conference, Herriot Watt University, UK, 2011.

P. Kotsovinos, A. Usmani, Stability of Steel Structures subject to Fire using OpenSees, in B.H.V. Topping, Y. Tsompanakis, (Editors), Proceedings of the Thirteenth International Conference on Civil, Structural and Environmental Engineering Computing, Chania, Greece, 2011. <http://dx.doi.org/10.4203/ccp.96.101>

A. Usmani, J. Zhang, J. Jiang, Y. Jiang, P. Kotsovinos, J. Zhang and I. May, Using OpenSees for Structures in Fire, In: Proceedings of the Sixth International Conference on Structures in Fire, Michigan, USA, 2-4 June 2010, pp. 919-926.

Popular Science Articles

P. Kotsovinos, E. Christensen, J. Gale, H. Mitchell, R. Amin, F. Robert, M. Heidari, D. Barber, G. Rein and J. Schulz (2022) The Effectiveness of a Water Mist System in an Open-plan Compartment with an Exposed Timber Ceiling: CodeRed #03, FPE e-EXTRA (SFPE). <https://www.sfpe.org/publications/fpemagazine/fpeextra/fpeextra2022/fpeextraissue74>

K. Malva, P. Kotsovinos, C. Wade (2020) Proposed Framework for a Reliability-Based Method for Structural Design Fires, FPE e-EXTRA(SFPE), 59.

F. Richter, P. Kotsovinos, and G. Rein (2018) The Role of Chemistry and Physics in the Charring of Timber in Realistic Fires, FPE e-EXTRA (SFPE), 28. <https://www.sfpe.org/publications/fpemagazine/fpeextra/fpeextra2018/fpeextraissue28>

P. Kotsovinos, G. Flint, S. Deeny and B. Lane (2017) Structural fire engineering for tall buildings, Fire Protection Engineering (SFPE).

D. Hopkin, L. Bisby, P. Kotsovinos, and P. Woodburn (2014). Fire Resistance: structural design for fire safety, International Fire Professional, 10.

D. Hopkin, E. O'Loughlin, P. Kotsovinos, and L. Bisby (2014). Fire resistance: Prescriptive guidance as a panacea?, The Building Engineer, Chartered Association of Building Engineers, 2014, 20-2.

Nilsson, D., & Fahy, R. (2016). Selecting scenarios for deterministic fire safety engineering analysis: life safety for occupants. In SFPE Handbook of Fire Protection Engineering (pp. 2047-2069). Springer, New York, NY.

Books/Book Chapters

Y. Panev, T. Parker and P. Kotsovinos (2022). The use of machine learning in heat transfer analysis for structural fire engineering applications. In Leveraging Artificial intelligence into Engineering, Management, and Safety of Infrastructure. Taylor and Francis (CRC). eBook ISBN 9780367823467

T. Gernay and P. Kotsovinos (2021). Advanced Analysis. Chapter 10 In International Handbook of Structural Fire Engineering (pp. 413-467). Springer. https://doi.org/10.1007/978-3-030-77123-2_10

R Plank, A. S. Fraser, M. Green, P. Kotsovinos, M. O'Connor and B. Wong (2019) Introduction to Fire Safety Engineering Guide – 2nd revision, Institution of Structural Engineers (UK), London.

PhD Thesis

Kotsovinos Panagiotis (2013), «Analysis of the structural response of tall buildings under multifloor and travelling fires,», University of Edinburgh.