



Professor Ehab Ellobody

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Department of Civil Engineering, Acting dean of the faculty of Engineering
Sohar University, Al Sohar, Al-Batinah, Oman
Previous: Tanta University, Tanta, Egypt

Research Interests:

Steel Structures; Composite Structures; Structural Fire Engineering; Steel and Composite Bridges; Stability and Buckling; Finite Element Modelling; Reinforced and Prestressed Concrete Structures in Fire; Composite Columns at Ambient and Fire Conditions; Cold-formed Steel Structures; Stainless Steel Structures; Composite Connections; Strengthening of Structures using Advanced Laminates; Fire Spread in Buildings; Castellated and Cellular Steel Beams

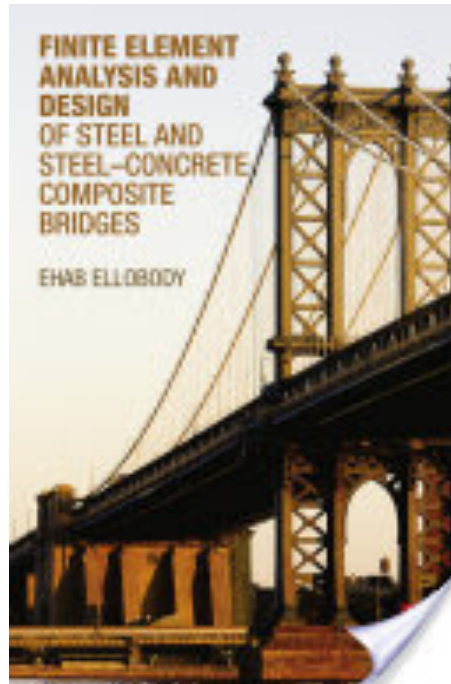
Education:

University of Leeds, England, U.K. (1/21999-27/11/2002): Ph.D., Department of Structural Engineering, School of Civil Engineering

Menoufia University, Egypt. (1/9/1992-23/8/1995): M.Sc., Department of Structural Engineering, Faculty of Engineering

Menoufia University, Egypt. (9/1987-5/1991): B.Sc. in Civil Engineering (Excellent with Honors)

Working Experience:



Ellobody, E. (2014). "Finite element analysis and design of steel and steel-concrete composite bridges". Elsevier, 675 pages

Demonstrator (24/9/1992-15/10/1995): Department of Structural Engineering, Faculty of Eng., Tanta University, Egypt.

Assistant Lecturer (15/10/1995-28/1/2003): Department of Structural Engineering, Faculty of Eng., Tanta University, Egypt.

Lecturer (28/1/2003-30/3/2008): Department of Structural Engineering, Faculty of Eng., Tanta University, Egypt.

Associate Professor (30/3/2008-31/3/2013): Department of Structural Engineering, Faculty of Eng., Tanta University, Egypt.

Professor of Steel Structures and Bridges (31/3/2013 – 1/11/2014): Department of Structural Engineering, Faculty of Eng., Tanta University, Egypt.

Professor in Civil Engineering and Acting Dean of the Faculty of Engineering, Sohar University (2/11/2014 – To date): Faculty of Engineering, Sohar University, Oman.

Publications:

Books:

Ellobody, E., Ran, F. and Young, B. (2014). "Finite element analysis and design of metal structures". Elsevier, 1st Edition, 211 pages, ISBN-9780124165618.

Ellobody, E. (2014). "Finite element analysis and design of steel and steel-concrete composite bridges". Elsevier, 675 pages, 1st Edition, ISBN-9780124172470.

Journal Articles:

2. Ellobody, E. and Lam, D. (2002). 'Modelling of headed stud in steel-precast composite beams'. *Steel & Composite Structures*, Vol. 2 (5), pp. 355-378.
3. Ellobody, E. and Lam, D. (2003). 'Finite element analysis of steel-concrete composite girders'. *Advances in Structural Engineering-An International Journal*, Vol. 4(6), 267-281
4. Lam, D. and Ellobody, E. (2004). 'Behaviour of headed stud shear connectors in composite beam'. *Journal of Structural Engineering*, ASCE, USA, 131(1), 96-107.
5. Ellobody, E. and Lam, D. (2005). 'Determining the effective width for composite beams with precast hollow core slabs'. *Structural Engineering & Mechanics-An International Journal*, Vol. 21(3), 295-313.
6. Ellobody, E. and Young, B. (2005). "Behaviour of cold-formed steel plain angle columns". *Journal of Structural Engineering*, ASCE, USA, 131(3), 457-466.
7. Young, B. and Ellobody, E. (2005). "Buckling analysis of cold-formed steel lipped angle columns". *Journal of Structural Engineering*, ASCE, USA, 131 (10), 1570-1579.
8. Ellobody, E. and Young, B. (2005). "Structural performance of cold-formed high strength stainless steel columns". *Journal of Constructional Steel Research*, 61(12), 1631-1649
9. Young, B. and Ellobody, E. (2006). "Experimental investigation of concrete-filled cold-formed high strength stainless steel tube columns". *Journal of Constructional Steel Research*, 62(5), 484-492.
10. Ellobody, E. and Young, B. (2006). "Design and behaviour of concrete-filled cold-formed stainless steel tube columns". *Journal of Engineering structures*, 28(5), 716-728
11. Ellobody, E. and Young, B. (2006). "Performance of shear connection in composite beams with profiled steel sheeting". *Journal of Constructional Steel Research*, 62(7), 682-694.
12. Ellobody, E., Young, B. and Lam, D. (2006). "Behaviour of normal and high strength concrete-filled compact steel tube circular stub columns". *Journal of Constructional Steel Research*, 62(7), 706-715.
13. Young, B. and Ellobody, E. (2006). "Column design of cold-formed stainless steel slender circular hollow sections". *Steel and Composite Structures*, Vol. 6 (4), 285-302.
14. Ellobody, E. (2006). "Buckling Analysis of high strength stainless steel stiffened and unstiffened slender

hollow section columns". *Journal of Constructional Steel Research*, 63(2), 145-155.

15. Ellobody, E. (2007). "Nonlinear behaviour of concrete-filled stainless steel stiffened slender tube columns". *Thin-Walled Structures*, 45, 259-273.
16. Ellobody, E. and Young, B. (2006). "Nonlinear analysis of concrete-filled steel SHS and RHS columns". *Thin-walled structures*, 44(8), 919-930.
17. Ellobody, E. and Young, B. (2007). "Investigation of cold-formed stainless steel non-slender circular hollow section columns". *Steel & Composite Structures*, 7(4), 321-337
18. Young, B. and Ellobody, E. (2007). "Design of cold-formed steel unequal angle compression members". *Thin-Walled Structures*, 45(3), 330-338.
19. Ellobody, E. and Bailey, C.G. (2008). "Behaviour of unbonded post-tensioned concrete slabs". *Advances in Structural Engineering*, Vol. 11, No. 1, 107-120.
20. Bailey, C.G. and Ellobody, E. (2009). "Fire tests on unbonded post-tensioned one-way concrete slabs". *Magazine of Concrete Research*, ICE proceedings, Thomas Telford Journals, 61(1), 67-76.
21. Bailey, C.G. and Ellobody, E. (2009). "Fire tests on bonded post-tensioned one-way concrete slabs". *Engineering Structures*, 31(3), 686-696.
22. Ellobody, E. and Bailey, C.G. (2009). "Modelling of unbonded post-tensioned concrete slabs under fire conditions". *Fire Safety Journal*, 44(2), 159-167.
23. Ellobody, E. and Bailey, C.G. (2008). "Modelling of bonded post-tensioned concrete slabs in fire". *Structures and Buildings*, ICE proceedings, Thomas Telford Journals, 161(6), 311-323.
24. Bailey, C.G. and Ellobody, E. (2009). "Whole building behaviour of bonded post-tensioned concrete floor plates exposed to fire". *Engineering Structures*, 31(8), 1800-1810
25. Bailey, C.G. and Ellobody, E. (2009). "Comparison of unbonded and bonded post-tensioned concrete slabs under fire conditions". *The Structural engineer*, 87(19), 23-31
26. Ellobody, E. and Young, B. (2010). "Investigation of concrete encased steel composite columns at elevated temperatures". *Thin-Walled Structures*, 48(8), 597-608.
27. Ellobody, E., Young, B. and Lam, D. (2011). "Eccentrically loaded concrete encased steel composite columns". *Thin-Walled Structures*, 49(1), 53-65.
28. Ellobody, E. and Young, B. (2011). "Numerical simulation of concrete encased steel composite columns". *Journal of Constructional Steel Research*, 67(2), 211-222.
29. Young, B. and Ellobody, E. (2011). "Performance of axially restrained concrete encased steel composite columns at elevated temperatures". *Engineering Structures*, Vol. 33(1), 245-254.
30. Ellobody, E. (2011). "Interaction of buckling modes in castellated steel beams". *Journal of Constructional Steel Research*, 67(5), 814-825.
31. Ellobody, E. (2011). "Nonlinear behaviour of unprotected composite slim floor steel beams exposed to different fire conditions". *Thin-Walled Structures*, 49(6), 762-771
32. Ellobody, E. and Bailey, C.G. (2011). "Structural performance of a post-tensioned concrete floor during horizontally travelling fires". *Engineering Structures*, 33(6), 1908-1917
33. Ellobody, E. and Young, B. (2011). "Response to discussion on numerical simulation of concrete encased steel composite columns". *Journal of Constructional Steel Research*, 67(9), 1413.
34. Ellobody, E. (2011). "Performance of composite girders strengthened using carbon fibre reinforced polymer laminates". *Thin-Walled Structures*, 49(11), 1429-1441.
35. Ellobody, E. (2012). "Nonlinear analysis of cellular steel beams under combined buckling modes". *Thin-Walled Structures*, 52(3), 66-79.
36. Ellobody, E. (2012). "Composite slim floor stainless steel beam construction exposed to different fires". *Engineering Structures*, 36(3), 1-13.
37. Ellobody, E. (2012). "Behaviour of normal and high strength castellated steel beams". *Structures and*

Buildings, ICE proceedings, Thomas Telford Journals, 165(10), 529-542

38. Young, B., Ellobody, E. and Hu, T.W.C. (2012). "3-D visualization of structures using finite element analysis in teaching". *Journal of Professional Issues in Engineering Education & Practice*, ASCE, U.S.A., 131, 131-138.
39. Ellobody, E. and Ghazy, M.F. (2012). "Experimental investigation of eccentrically loaded fibre reinforced concrete-filled stainless steel tubular columns". *Journal of Constructional Steel Research*, 76(9), 167-176.
40. Ellobody, E. and Ghazy, M.F. (2012). "Polypropylene fibre reinforced concrete-stainless steel composite column: design and behaviour". *Advances in Structural Engineering-An International Journal*, 16(3), 427-440.
41. Kandil, K. S., Ellobody, E. and Eldehemy, H. (2013). "Experimental investigation of progressive collapse of a steel frame". *World Journal of Engineering and Technology*, 1(10), 2013.
42. Kandil, K. S., Ellobody, E. and Eldehemy, H. (2013). "Progressive collapse of steel frames". *World Journal of Engineering and Technology*, 1(10), 2013.
43. Ellobody, E. (2013). "Numerical modelling of fibre reinforced concrete-filled stainless steel tubular columns". *Thin-Walled Structures*, 63(2), 1-12.
44. Ellobody, E. (2013). "A consistent nonlinear approach for analysing steel, cold-formed steel, stainless steel and composite columns at ambient and fire conditions". *Thin-Walled Structures*, 68, 1-17.
45. Ellobody, E. (2013). "Nonlinear behaviour of eccentrically loaded FR concrete-filled stainless steel tubular columns". *Journal of Constructional Steel Research*, 90(11), 1-12.
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47. Mohamed Dabaon, Ehab Ellobody and Khaled Ramzy, "Experimental investigation of built-up cold-formed steel section battened columns", *Thin-Walled Structures*, Vol. 92, pp 137-145, July 2015
48. Mohamed Dabaon, Ehab Ellobody and Khaled Ramzy, "Nonlinear behaviour of built-up cold-formed steel section battened columns", *Journal of Constructional Steel Research*, Vol. 110, pp 16-28, July 2015