

Mosleh Tohidi (founder)

Address: 1 Torquay Street London; W2 5EJ
Mob: +44 (0)776 758 1008; E-mail: mxt995@Gmail.com

Profession: Structural Engineer

Profile: A highly qualified Structural Engineer with extensive experience of teaching, designing, delivering and developing projects to required specifications, with clear focus on economy, safety, reliability, quality and sustainability.
Precise knowledge and experience of using BS, EURO cods and ACI/ASCE/AASHTO, as well as hands on experience of computed and analytical design.

Qualifications:	PhD Structural Engineering	The University of Birmingham, 2015
	MSc Structural Engineering	The University of Tehran, 1997
	BSc Civil Engineering	The University of Urmia, 1994

Computer Skills: SAP 2000, ETABS, SAFE, ABAQUS, Microsoft Packages

Academic Experience

Sep 14 to Date: **London College UCK, Lecturer-Programme leader**
Lecture and list of taught subjects

- Structural design project (EC2, and EC3), Structural analysis and design, Group project Independent project, Mechanical Principals, Applied mathematics, Engineering Science, and Civil Engineering Technology, , research project, Mathematics for Computation

Jan 12 to Sep 14: **University of Birmingham**
Lecture and list of taught subjects

- Concrete technology -CE2CPM- for **MEng/BEng students**
(Concrete mix design, Durability, workability, Slump/Vebe Time/Flow Table tests, Compressive/Tensile tests, Schmitt hammer, Carbonation of concrete)
- Analysis, design and testing on RC Beams-CE2STE- **for MEng/BEng students**

Oct 12 to Date

- Private teaching to undergraduate/MSc students through the UK : one-to one/online using TutorHunt/ the Profs services

Oct 97 to Feb 11: **Azad University of Sanadaj**
Lecture and list of taught subjects

- Steel, Concrete, Bridge and Masonry design
- Steel/Concrete/Bridge projects
- Loading,
- Structural/Matrix analysis
- Software: SAP2000/ETABS for structural analysis and design- SAFE for foundation analysis and design

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Administration duties:

- Director of research office Oct 1999 - June 2003
- Director of young research club Oct 2001 - June 2003
- Head of the School of Civil Engineering Sep 2004 - June 2005

Industry Experience

Apr 14 to March 2015: Structural Design of a Hotel in Myanmar, Mandalay

- The Project Shwe Mann Taung Golf Resort includes a 7 storey Hotel, a three storey club house, and a swimming pool with total area of 32,000m²
- The structural system is consist of mat/strip foundation, special frame, two way slab, and steel truss for the roof
- Modelling, design, and delivering of structural details i.e. column, beams, slabs, connections, swimming pool and foundation

Mar 13 to June 13: Atkins, Birmingham Office

- Monitoring of existing bridges of highway network in the UK
- Updating the existing bridge details

Sep 02 to date

Alan Consultancy Company

- Company director 2002-2011
- Head of structural design group 2002 to date
- Design structures requiring advanced structural analysis to determine static and dynamic responses. These structures included mid-rise and high-rise (5-15 storeys) commercial, residential, hotel and parking projects
- Design/supervision of buildings includes more than 140,000 square meters of different structure made of concrete and steel structures
- The structural systems comprise:
 - Steel: Rigid frame (Welded and bolted connection); Pinned connection plus X or V bracing
 - Concrete: Rigid frame, rigid frame and shear walls
 - Floors: One way, two way, composite
 - Foundation: Pad, strip, mat, and pile

MEMBERSHIP

- Member of the Institution of Structural Engineer (IStructE)-Birmingham, UK, 2012-date
- Member of Society of Consulting Engineers, 2007-date
- Member of the Institution of Structural Engineer (IStructE) -Grade 1, 1997-date

WORKSHOPS

- Introduction to learning and teaching in higher education (ILT001), April 2014
 - Laboratory-Based demonstration (ILT002), April 2014
 - Small group teaching (ILT003), April 2014
 - One-to-one academic tutoring (ILT005), April 2014
 - Giving a lecture (ILT007), April 2014
 - The design of tall Building- IStructE, Birmingham, 23rd April 2013
 - ABAQUS, University of Birmingham-12, 13 Jul 2012
 - Matlab, University of Birmingham- 5, 6 Jul 2012
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- EC7 a year on, IStructE, Birmingham, 22th March 2011
- Engineers in a sustainable world, IStructE, Birmingham, Oct 2011

ADDITIONAL INFORMATION

- Language skills: English, Kurdish (native), Persian (excellent)
- Hobbies: Golf, Football, Listening music

Research Activities

	Event	Year
	2 nd Prize, 4 th BEAR Conference, 24 June, 2013, University of Birmingham, UK	2013
Awards	Full sponsorship by PCI to attend the 2014 PCI Convention and National Bridge Conference, September 6-9, Washington, the USA.	2014

Publications

- **Book** Design of Reinforced Concrete Structures, The AZAD University of Sanandaj, ISBN: 978-964-223-420-2, 2009, 534 pages

➤ **Journal papers (N=3)**

Journal	Topic	Year
Engineering Structures 76(2014)177–186	Numerical evaluations of codified design methods for progressive collapse resistance of precast concrete cross wall structures	2014
International Journal of Civil, Architectural Science and Engineering Vol:8, No:1, 2014	An Improved Tie Force Method for Progressive Collapse Resistance of Precast Concrete Cross Wall Structures	2014
Submitted to Engineering Structures	Effect of Floor Joint Design on Catenary Actions of Precast Floor Slab System	2015/Jan

Draft journal papers (N=6)

Topic	Year
Finite element modeling of progressive failure for floor-to-floor assembly in the precast cross wall structures	2014

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	An improved tie force method for progressive collapse resistance design of precast cross wall structures	2014
	Analytical method for progressive collapse resistance design of precast cross wall structures I: pullout simulation	2014
	Analytical method for progressive collapse resistance design of precast cross wall structures II: analysis and design method	2014
Using Strand	An Analytical Method for Progressive Collapse Resistance Design of Floor-to-Floor joint in Precast Cross Wall Structures I: Analytical Study	
	An Analytical Method for Progressive Collapse Resistance Design of Floor-to- Floor joint in Precast Cross Wall Structures II: Experimental Validation and Design Method	

Conference Papers (n=8)

Year	Topic	Venue
2014	Oral: Use of Reinforcement Bars as Ties to Prevent Progressive Collapse of Precast Cross Wall Structures	The 60 th PCI Convention and National Bridge Conference, September 6-9, in Washington, D.C. (USA, 2014)
	Oral: An Improved Tie Force Method for Progressive Collapse Resistance of Precast Concrete Cross Wall Structures (Analytical Method)	ICCSEE 2014 International Conference on Civil, Structural and Environmental Engineering Zurich, Switzerland, January 14 - 15, 2014 (Switzerland)
2013	Oral: Numerical simulation of floor joint behavior for progressive collapse resistance design in precast concrete cross wall structures Poster: Numerical Evaluation of the Adequacy of Codified Methods for Progressive Collapses Resistance of Precast Concrete Cross Wall Structures	The PCI Convention and National Bridge Conference, Sept. 21-24, 2013, the Gayloer Texan in Grapeviene, Texas, the USA.(USA, 2013)
	Poster: Numerical Evaluation of the Adequacy of Codified Methods for Progressive Collapses Resistance of Precast Concrete Cross Wall Structures	The University of Birmingham-Poster Conference – 12 June 2013
	Numerical simulation of floor joint behavior for progressive collapse resistance design in precast concrete cross wall structures	4nd BEAR Conference, 24 June, 2013 on Research Computing-The University of Birmingham, 12 June 2013. Award: 2nd Prize
2012	Oral: study into the mitigation methods for progressive collapse of precast concrete cross wall buildings	11 th International Conference on CONCRETE ENGINEERING AND TECHNOLOGY 2012/ 12-13th June, 2012, Putrajaya, Malaysia

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	Organizing Committee Member	3rd BEAR Postgraduate Conference on Research Computing-28th June 2012 University of Birmingham, UK
2011	Oral: Study into the Mitigation Methods for Progressive Collapse of Precast Concrete Cross Wall Buildings	2nd BEAR Conference, 23 June, 2011 on Research Computing
