

C.V.

Personal Detail:

- **Full Name:** Mahmood Seraji
- **Date of Birth:** Sep. 23, 1981
- **Place of Birth:** Lamerd, Fars, Iran
- **Marital Status:** Married
- **Tel:** 0098-917-491-6250 (Iran)
- **E-mail:** mseraji86@gmail.com



Education and Qualifications:

- July 2009 - July 2013: Doing PhD program in Structural Engineering Department of Civil Engineering Universiti Kebangsaan Malaysia (UKM).
- June 2013: Successfully passing the PhD viva examination.
- July 2012: Presenting the research work in the 10th International Conference on Advances in Steel Concrete Composite and Hybrid Structures, Singapore.
- October 2011: Presenting the research work in the EPC 2011 Regional Engineering Postgraduate Conference 2011, UKM, Bangi, Selangor D.E.
- December 2011: Presenting the research work in the 2nd International Conference on Advanced Science, Engineering and Information Technology (2nd ICASEIT) 2011, Kuala Lumpur, Malaysia.
- March 2010: Certificate of participation in “Workshop in how to use MATLAB Program for Analyzing Data” organized by Scientific Core of GIS & Space information Technology, Iranian Student Association of South East Asia.
- January 2010: Certificate of participation in “Workshop in how to use MS Word Program for Systematic Compilation of thesis and dissertation” organized by Scientific Core of GIS & Space information Technology, Iranian Student Association of South East Asia.
- April 2009: Certificate of attendance of “PUBLISHING FOR POSTGRADUATES” in UPM
- July 2007– July 2009: Doing my Master program in Structural Engineering, Department of Civil Engineering, Universiti Putra Malaysia (UPM).
- Jan 2007: Certificate of “Orientation to national basic laws of building construction”.

- Sep 2006: Certificate of “Welding Supervision”.
- 2000 – 2004: Doing my B.S in Civil Engineering at Islamic Azad University, Yasuj Branch.

Publications (some):

- **Mahmood Seraji**, Wan Badaruzzaman W.H. and S.A. Osman, 2011. Study the Effect of Membrane Action in Profiled Steel Sheet Dry Board (PSSDB) Floor. EPC 2011 Regional Engineering Postgraduate Conference 2011, UKM, Bangi, Selangor D.E.
- **Mahmood Seraji**, Wan Badaruzzaman W.H. and S.A. Osman, 2012. Experimental Study on the Compressive Membrane Action in Profiled Steel Sheet Dry Board (PSSDB) Floor System. International Journal on Advance Science, Engineering Information Technology. Vol. 2(2012), No. 2, 46-48.
- **Mahmood Seraji**, Wan Badaruzzaman W.H. and S.A. Osman, 2013, Membrane action in profiled steel sheeting dry board (PSSDB) floor slab system, Journal of Engineering Science and Technology, School of Engineering, Taylor’s University.
- **Seraji, M.**, Wan Badaruzzaman W.H., Osman, S.A., Seraji, J. 2012. Nonlinear Finite Element Prediction on the Membrane Action Effect in Profiled Steel Sheet Dry Board (PSSDB) Floor. 10th International Conference on Advances in Steel Concrete Composite and Hybrid Structures Singapore, 2–4 July 2012.
- **Mahmood Seraji**, W.H. Wan Badaruzzaman, S. A. Osman. 2012. Nonlinear Analysis of Membrane Action Effect in Profiled Steel Sheeting Dry Board Flooring System, International Journal of Steel Structures, Vol. 14, No 2, pp. 1-10 (ISI Journal).
- Mahesan Bavan, Shahrizan Bin Baharom, **Mahmood Seraji**, 2013. Ultimate Strength Of Composite Beam With Web Openings Subjected To Combined Interaction Of Positive Bending and Axial Tension, 0053-0913-0048, ISEAIA 2013, Turkey.
- Maryam Vafa, Wan Hamidon Wan Badaruzzaman, **Mahmood Seraji**, 2013. Parametric Design of Profiled Steel Sheeting Dry Board (PSSDB). Proc. of the Intl. Conf. on Advances in Civil, Structural and Environmental Engineering - ACSEE 2013. ISBN: 978-981-07-7965-8.
- **Mahmood Seraji**, W.H. Wan Badaruzzaman, Maryam Vafa, 2014. Numerical investigation on membrane action in lightweight composite PSSDB floor: Effect of concrete infill and components’ thickness. Submitted to International Journal of Steel Structures (ISI Journal).

- Mahesan Bavan, Shahrizan Bin Baharom, Siti Aminah Osman, **Mahmood Seraji**, 2015. Local Failure Criteria of the Steel-Concrete Composite Beam with Web Openings in Various Sizes Subjected to Combined Negative Bending and Axial Tension, Association of Consulting Engineers, Singapore at Structural Engineers World Congress 2015, Singapore.
- Mahesan Bavan, Shahrizan Bin Baharom, Siti Aminah Osman, **Mahmood Seraji**, 2015. Negative influences of profiled steel sheet on steel-concrete composite beam subjected to combined negative bending and axial tension. 11th International Conference on Advances in Steel and Concrete Composite Structures, ASCCS2015, Tsinghua University, Beijing, China.
- Mahesan Bavan, Shahrizan Bin Baharom, **Mahmood Seraji**, 2015. An innovative approach of geopolymer concrete profiled flange on composite beam subjected to combined negative bending and high axial tension. 11th International Conference on Advances in Steel and Concrete Composite Structures, ASCCS2015, Tsinghua University, Beijing, China.
- **Mahmood Seraji**, Wan Badaruzzaman W.H. and Mohd Isa Jaffar, 2015. Numerical investigation on the effect of material thicknesses on membrane action development in PSSDB floor system. 2015 2nd international conference on geological and civil engineering, DOI: 10.7763/IPCBE 2015. V80.1, Dubai.
- Mohd Isa Jaffar, Wan Hamidon Wan Badaruzzaman, Mohd Mustafa Al Bakri Abdullah, Kartini Kamarulzaman, **Mahmood Seraji**, 2015, Effect of Geopolymer Concrete Infill on Profiled Steel Sheeting Half Dry Board (PSSHDB) Floor System Subjected to Bending Moment, Applied Mechanics and Materials (Volumes 754-755), Trans Tech Publications, Switzerland, 354-358.
- Abbas parvin, **Mahmood seraji**, Mohamad vaghefi, 2015, Effect of damping ratio on the response of a base isolated buildings, International Conference on Civil Engineering Architecture and urban infrastructure 29-30 July 2015, Tabriz, Iran.
- Mahesan Bavan, Shahrizan Bin Baharom, Siti Aminah Osman, **Mahmood Seraji**, 2016 Behaviour of inclined headed stud shear connectors in the positive bending region of the composite beam. 3rd International Scientific Meeting, State And Trends Of Civil And Environmental Engineering – EGTZ 2016, Faculty of Mining, Geology and Civil Engineering, University of Tuzla, Bosnia and Herzegovina.
- **Mahmood Seraji**, Daryia Dehghanfard, Mohammad Reza Forudi, 2018, Investigation on crossing sheeting distance to steel shear wall and its stiffeners under seismic load, Journal of Structural and Construction Engineering (JSCE), Available Online from 07 March 2018.
- **Mahmood Seraji**, Daryia Dehghanfard, Mohammad Reza Forudi, 2018, Investigation on cross sheeting thickness and its width in strengthening of steel shear wall under seismic load, Journal of Structural and Construction Engineering (JSCE), Available Online from 07 March 2018.

- Zeinab Bagheri, Alireza Fiouz, **Mahmood Seraji**, 2020, Free Vibration of Functionally Graded Porous Beams with Non-uniform Cross-section using Differential Quadrature Method, Journal of Structural and Construction Engineering (JSCE), under review.
- Parand, A., **Seraji, M.** & Dashti, H. A modified multi-level cross-entropy algorithm for optimization of problems with discrete variables. *Engineering with Computers* (2021). <https://doi.org/10.1007/s00366-020-01232-3>, ISI Journal, Q1.
- Shahriar Shahbazpanahi, Salar Manie, Faraj H. Rabar H., **Mahmood Seraji**, 2021, Feasibility study on the use of Tagouk ash as replacement cementitious materials in concrete, Clean Technologies and Environmental Policy, <https://doi.org/10.1007/s10098-020-02021-8>, ISI Journal, Q2.

Academic Experience:

- Dec 2017: Public lecture entitled “Prevention and Management of Crisis in Seismic Areas” in Khormuj, Bushehr, Iran.
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- Nov 2016: Organizing a scientific conference on “Practical research in modern horizons of civil engineering and architectural” in Bushehr, Iran.
 - Jan 2013 up to now: Teaching the Civil Engineering courses of both undergraduate and post-graduate levels.
 - Sep 2013 up to now: Supervising the Structural and Earthquake Engineering students’ thesis in postgraduate level.

Teaching Activities:

Following courses have been taught by me since Jan 2013:

Under-graduate level:

Structural Analysis I	2 time
Structural Analysis II	4 time
Static	3 time
Solid Mechanic I	3 time
Solid Mechanic II	2 time
Reinforced Concrete Structures	3 time

Post-graduate level (Master and PhD programs):

Dynamics of structure	11 times
Finite element method	9 times
Research methodology	6 times
Prestressed Concrete	4 times
Theory of elasticity	1 time
Structural Reliability	4 times
ABAQUS Simulation	2 times

Reviewer of Academic journals:

- Journal of Engineering Science and Technology (JESTEC)
- Journal of Structural and Construction Engineering (JSCE)
- Scientia Iranica Journal
- Amirkabir Journal of Civil Engineering

Skills:

- Highly skilled in "AutoCAD, Excel, Ms Word, Power Point, Ms Project" and some other useful software.
- Skilled in Windows operating system.
- Skilled in SAP, SAFE, ETAB, STAAD Pro analysis and designing software.
- Skilled in FORTRAN program and MATLAB.
- Highly skilled in ABAQUS software, applicable in Structural engineering.

Awards:

- December 2013: selected researcher in Science and Research Azad University of Bushehr branch.
- December 2016: selected lecturer in Azad University of Bushehr.

Work Experience:

- May 2018 – May 2019: Research manager in Azad University of Bushehr.

- Feb 2016 – May 2018: Group coordinator of Civil Engineering in postgraduate level in Azad University of Bushehr.
- Aug 2015 – May 2019: Research committee member of post-graduate faculty in Azad University of Bushehr.
- Aug 2014 – April 2016: Deputy Dean of the post-graduate faculty in Azad University of Bushehr.
- Sep 2013 up to now: Academic member of Islamic Azad University Bushehr Branch.
- Oct 2013 – Aug 2014: Manager of students' affair in Science and Research Azad University of Bushehr branch.
- Jan 2013 – May 2013: Teaching in two universities of Tabnak and Azad Lamerd in Iran as a lecturer for various courses of civil engineering.
- July 2009 – Feb 2013: Working as a Graduate Research Assistant (GRA) in Universiti Kebangsaan Malaysia (UKM) and doing PhD program simultaneously.
- 2006 – July 2007: Working in Lamerd Bonyad Maskan (Consulting Engineers Company) and taking some English spoken courses.
- 2004 – 2006: Doing military service as an engineer in Bonyad Maskan (Consulting Engineers Company) and meanwhile attending English language courses.

Attended workshops:

- Publishing for post-graduates
- Workshop in how to use MS Word Program for Systematic Compilation of Thesis and Dissertation (Jan 2010).
- How to write a paper for a journal with impact factor (Feb 2012).

References:

- Professor Wan Hamidon Wan Badaruzzaman, Department of Civil and Structural Engineering, UKM University, Bangi, Selangor, Malaysia
E-Mail: whamidon@vlsi.eng.ukm.my
- Professor Mohd. Saleh Jaffar, Department of Civil Engineering, UPM University, Serdang, Selangor Malaysia
E-Mail: msj@eng.upm.edu.my
- Assoc. Professor Siti Aminah Osman, Department of Civil and Structural Engineering, UKM University, Bangi, Selangor, Malaysia
E-Mail: saminah@ukm.edu.my