Curriculum Vitae

Assistant Prof. Dr. James H. Haido

Dean, College of Engineering, University of Duhok

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1. ADDRESS:

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2. EDUCATION

- PhD in Structural Engineering (University of Science Malaysia, Penang, Malaysia). Thesis title: Nonlinear Dynamic Analysis of Reinforced Concrete Beam and Slabs, 2011.
- Master in Structural Engineering (University of Mosul). Thesis title: Dynamic Analysis of Plates Using Finite Layer Method, 2006.
- Bachelor in Civil Engineering (University of Duhok) with first rank in the college, 2002.

3. EMPLOYMENT HISTORY

- Dean of the College of Engineering, Sept. 2019 – to date.
- Assistant Professor, College of Engineering, University of Duhok, May 2016 – to date.
- Director of Research Center, College of Engineering, University of Duhok, Iraq Oct 2014-Sept. 2019.
- Visiting Scholar (Fulbright Program), University of Delaware, Newark, Delaware, USA. 29/June/2014-10/Sept./2014.
- Lecturer, Civil Engineering Department, College of Engineering, University of Duhok, Duhok, Iraq15/March/2006-1/Nov./2008.
- Assistant Teacher, College of Engineering, University of Duhok, Duhok, Iraq 1/August/2002-15/March/2006.

4. EXPERIENCE

Teaching Experience

- Teaching undergraduate courses of Reinforced Concrete Design, Structural Analysis, Mechanics of Materials, Engineering Mechanics, Mathematics and Steel Design at Departments of Civil Engineering, Water Resources Engineering and Architectural Engineering, College of Engineering-University of Duhok.
- Teaching Postgraduate courses of Structural Dynamics, Theory of Plasticity and Advanced Structural Anaysis at Civil Engineering Department, University of Duhok.
- Supervisor of MSc and PhD theses as follows:
    1- PhD Thesis title: Optimizing the Properties of UHPGC Incorporating PET Fibers; student: Youkhanna Zayia Dinkha, University of Duhok, Ongoing.
    2- PhD Thesis title: Self-compacted RC Beams Containing PET Fibers at Elevated Temperatures: Behavior and Strengthening; student: Shireen Taha Saadullah, University of Duhok, Ongoing.
    3- PhD Thesis title: Properties of the hybrid concrete made with ordinary and basalt fiber concretes. Hasan Kalyoncu University, Nov. 2019; student: Semedar Salim Majeed, Hasan Kalyoncu University, Turkey, Nov. 2019.

4- MSc Thesis title: Flexural Performance of Hybrid Concrete Wide Beams; student: Marwa Abdul-Kareem, University of Duhok, July 2016.
5- MSc Thesis title: Reinforced Concrete Tall Buildings under Wind Actions: A comparison study; student: Shireen Taha Saadullah, University of Duhok, July 2016.
6- MSc thesis title: Repairing of ordinary concrete using high strength concrete with PET fibers; student: Qahar Mustafa Abdullah, University of Duhok, Ongoing.

• Supervising projects for undergraduate students in Civil and Water Resources Engineering Department, Dec. 2011 – to date. The graduation project for civil engineering students in 2014 was selected as first project in the Design Day Event which was funded by University of Duhok and IREX Organization-USA.

Research Experience

• Team leader for the following Research Group:
1. Research Group for "Behavior of beams strengthened by high strength concrete made with waste glass powder". Funding supplied by Standard Concrete Works Company – Duhok City, 2014.
2. Research Group for "Mechanical properties at elevated temperatures of high strength concrete fabricated by waste glass powder". Funding supplied by Standard Concrete Works Company – Duhok City, 2014.

• Director of the Research Center, College of Engineering, Universiy of Duhok, Oct 2014-March 2018.
• Head of Organizing Committee for the 1st and 2nd International Conferences for the College of Engineering, University of Duhok in 2012 and 2016 and 3rd International Conference for College of Planning, 2013.
• Member of Scientific Committee for the 2nd International Conference of the College of Engineering, University of Duhok: Recent Innovation in Engineering Research, 2016.
• Chairman for 3rd International Conference on Recent Innovations in Engineering, University of Duhok, September 9, 2020 – September 10, 2020.
• Co-Chairman for 4th International Conference on Materials Engineering & Science (IConMEAS 2021), Duhok, Kurdistan Region, Iraq on October 06-07, 2021.

Engineering Work Experience

• Designer and checker (structural engineer) for many concrete and steel structures in Kurdistan Region such as multistory building or towers, bridges, oil and water tanks etc, 2006-to date.

5. KEY SKILLS

• *Communication and Presentation Skills*: My direct contacts with people working in different engineering projects as well as my teaching and demonstration experience were in direct contact with the students. Presented data confidently and clearly to both large and small groups in different languages including English. I have presented many papers in international conferences in Australia, Malaysia, Indonesia, India and Iraq. In addition, I have participated in various training courses in different countries such as USA, Sweden, Malaysia and Iraq.
• *Writing*: I have used to write daily progression reports of the engineering projects. Writing regular progression reports to my PhD advisors, in which their collection ended with a successful PhD thesis. Wrote scientific articles in international peer-reviewed journals, as well as the technical replies to the questions raised by the reviewers.

- *Management and organization*: My experience in management and organization included managing several projects and collaborations in parallel planned work to achieve goals and targets on time, set realistic objectives, and developed creative solutions to problems. I am the dean of the College of Engineering – University of Duhok. I was Director of Research Center of the College of Engineering. Moreover, I was head of organizing committee for many International Engineering Conferences at University of Duhok.
- *Adaptability*: Collaborated at different professional levels, and with people from diverse origins and cultures and from different scientific levels and backgrounds. Can work both independently and in team settings. Adapted to living abroad, increased my command of English, learned perseverance and self-motivation.
- *Computer Skills*: I have experience in working on many computer softwares, namely ABAQUS, FORTRAN, ETABS, SAP2000, STAAD III, SAFE, CSi Column, AutoCAD, ANSYS, MATLAB, Microsoft Office Word, Microsoft Office Excel and Microsoft Office PowerPoint.

6. TRAINING AND WORKSHOPS

- Participation in Workshops and Training Courses:
    1. International Research and Exchanges Board (IREX) training workshop entitled "Towards Improving Engineering Undergraduate Education: Integrating Industry Input", Erbil, Kurdistan Region, Feb. 8-10, 2015.
    2. Time Management workshop, Department of Civil and Environmental Engineering, University of Delaware, DE, July 21, 2014.
    3. Engineering Students Support Workshop, Department of Civil and Environmental Engineering, University of Delaware, DE, July 2014.
    4. Strategy for Learning Assessment workshop, Office of Educational Assessment, University of Delaware, DE, August 11, 2014.
    5. Achieving Excellence and Impact in Academia workshop, University of Delaware, DE, August, 2014.
    6. Teaching Methodology and Pedagogy Including Curricula Development workshop, Department of Civil and Environmental Engineering, University of Delaware, DE, August 12, 2014.
    7. Education Reform and Technology Methods workshop, Department of Civil and Environmental Engineering, University of Delaware, DE, July 17, 2014.
    8. ABET Accreditation workshop, Department of Civil and Environmental Engineering, University of Delaware, DE, July, 2014.
    9. ANOVA and MANOVA workshop, Institute of Postgraduate Studies, University of Science Malaysia, March 2011.
    10. Scientific writing workshop, School of Civil Engineering, University of Science Malaysia, two days during Dec. 2009.
    11. Data Analysis workshop, School of Civil Engineering, University of Science Malaysia, two days during Dec. 2009.
    12. Research Design and Methodology workshop, School of Civil Engineering, University of Science Malaysia, two days during Dec. 2009.
    13. Teaching methods workshop, College of Educational Sciences, University of Duhok, two weeks during Nov. 2006.

- Trainer Experience:
    1- Trainer of workshop of “Fulbright Visiting Scholar Program” at College of Engineering and College of Law, University of Duhok, 2017.

2- Trainer for workshop of "Original Research Paper" for academic staff, College of Engineering, University of Duhok, 2016.
3- Trainer for workshop of "Structure of Paper and Online Publication Procedure in Journals Listed in Web of Knowledge" for academic staff, College of Engineering, University of Duhok, 2015.
4- Trainer for intensive course of "The design of concrete structures by CSi sofrwares for the Directorate of Bridges and Roads, Duhok City, 2014.
5- Trainer for workshop of "How to write and publish paper in ISI journal" for academic staff, College of Engineering, University of Duhok, 2014.
6- Trainer for workshop of "Design of concrete multi storey building by CSi Software" for 4th year students, College of Engineering, University of Duhok, 2012.
7- Trainer for workshop of "Analysis and design of concrete structures by STAAD Pro program" for 4th year students, College of Engineering, University of Duhok, 2012.

7. AWARDS

- Acknowledgement from the President of the University of Duhok for the outstanding role in Quality Assurance process at the university, 2019.
- Thank you letter from the USA Embassy in Baghdad for providing workshops of Fulbright program, 2017.
- Acknowledgement letter from the Duhok Governor for participating in a professional committee for investigation the failure of Khani Bridge in Zakho City, Iraq, 2017.
- Acknowledgement letter from the President of the University of Duhok for leading the organizing committee of the 2nd International Conference of the College of Engineering, 2017.
- Fulbright Visiting Scholarship at University of Delaware, Newark, Delaware, USA, 2014.
- Financial award from University of Mosul for a selected best publication in high ranking journal in collaboration with a researcher at this university, 2013.
- Acknowledgement letter from the Dean of College of Engineering, University of Duhok for gaining high grade in teaching quality assurance program at the college, 2013.
- Acknowledgement from the Dean of College of Engineering, University of Duhok for organizing workshop of analysis and design of concrete structures by STAAD Pro program, 2012.
- Acknowledgement from the Dean of College of Engineering, University of Duhok for organizing workshop of design of concrete multistory building by CSi Softwares, 2012.
- Ph.D Scholarship from the Ministry of Higher Education and Scientific Research, Kurdistan Region, Iraq 2008.
- M.Sc Scholarship from the Mosul University, Mosul, Iraq 2003.

8. PROFFETIONAL MEMBERSHIP

- Board member of ACI (American Concrete Institute) – Kurdistan Chapter.
- Member of Kurdistan-Iraqi Engineers Union
- Member of International Association for Engineers (IAENG)
- Member of Academic Staff Union, Kurdistan-Iraq
- Editorial board member for International Journal of Scientific Research in Knowledge (ISSN: 2322-4541)
- Editorial board member for Caspian Journal of Applied Sciences Research (ISSN: 2251-9114)
- Reviewer in the following scientific Journals: -
    1- Construction & Building Materials
    2- Steel and Composite Structures: An International Journal
    3- Journal of Industrial Textile

4- International Journal of Civil Engineering- the official publication of Iranian Society of Civil Engineers and Iran University of Science and Technology
5- Aro Journal- The Scientific Journal of Koya University, Iraq
6- Earthquake Engineering and Engineering Vibration
7- Composite Part B
8- ZANCO Journal of Pure and Applied Sciences
9- Concrete and Computers
10- University of Duhok Journal
11- Journal of Industrial Textiles

9. PUBLICATIONS

a- Peer Reviewed Journals:

1. ***James H. Haido***, Bassam A Tayeh, Samadar S Majeed, Mehmet Karpuzcu (2021) Effect of high temperature on the mechanical properties of basalt fibre self-compacting concrete as an overlay material, Construction and Building Materials Vol. 268, 1217-1225.
2. ***James H. Haido***, Marwa A Zainalabdeen, Bassam A Tayeh, Experimental and numerical studies on flexural behavior of high strength concrete beams containing waste glass, Advances in concrete construction 11 (3), 239-253.
3. ***James H. Haido***, Ayad A Abdul-Razzak, Mustafa M Al-Tayeb, BH Bakar, Salim T Yousif, Bassam A Tayeh, Dynamic response of reinforced concrete members incorporating steel fibers with different aspect ratios, Advances in concrete construction 11 (2), 89-98.
4. Hisham Alabduljabbar***, James H. Haido***, Rayed Alyousef, Salim T Yousif, Jennifer McConnell, Karzan Wakil, Kittisak Jermsittiparsert (2020) Prediction of the flexural behavior of corroded concrete beams using combined method, Structures Vol. 27, pp 1876-1889.
5. Mahdi Shariati, Mohammad Saeed Mafipour, ***James H. haido***, Salim T. Yousif, Ali Toghroli, Nguyen Thoi Trung and Ali Shariati (2020) Identification of the most influencing parameters on the properties of corroded concrete beams using an Adaptive Neuro-Fuzzy Inference System (ANFIS), Steel and Composite Structures, An Int'l Journal Vol. 34 No. 1, pp 155-170.
6. ***James H. Haido***, Samadar S Majeed, Mehmet Karpuzcu (2020) Flowability, strength and permeability characteristics of self-compacted concrete made with basalt fibers, Academic Journal of Nawroz University Vol. 9 No. 1, pp 194-218.
7. ***James H. Haido***, Bashar A Mahmood, Ayad A Abdul-Razzak, Michael Dorn, Salim T Yousif (2020) Performance of RC Skew Box Culvert: Application of the Finite Element Modelling and Artificial Intelligence, Journal of Duhok University Vol. 23 No. 2, pp 767-787.
8. Chuanhua Xu, Xiliang Zhang, ***James H. Haido***, Peyman Mehrabi, Ali Shariati, Edy Tonnizam Mohamad, Hoang Nguyen and Karzan Wakil (2019) Using genetic algorithms method for the paramount design of reinforced concrete structures, Structural Engineering and Mechanics Volume 71, Number 5, pages 503-513.
9. Nguyen Thoi Trung, Nima Alemi, ***James H. Haido***, Mahdi Shariati∗Seyedata Baradaran and Salim T. Yousif (2019) Reduction of cement consumption by producing smart green concretes with natural zeolites, Smart Structures and Systems Volume 24, Number 3, pages 415-425.
10. Saadullah Sh. T., ***James H. Haido*** (2017) Wind analysis of tall building in duhok city using Computational Fluid Dynamic (CFD). Journal of University of Duhok, Vol. 20, No.1 (Pure and Eng. Sciences), pp 520-536.
11. Ali M. H., ***James H. Haido***, Dinkha Y. Z. (2017) Flexural behavior of reinforced concrete beams made with ordinary and high strength concretes: effect of interfacial roughness between old and new concretes. Journal of University of Duhok, Vol. 20, No.1 (Pure and Eng. Sciences), pp 570-579.

12. Ali M. H., Dinkha Y. Z., ***James H. Haido*** (2017) Mechanical properties and spalling at elevated temperature of high performance concrete made with reactive and waste inert powders. Engineering Science and Technology, an International Journal, Vol. 20, No. 2.
13. ***James H. Haido*** (2015) Prediction of RC multi-story construction performance - with a new proposed design spectrum approach. Tikrit Journal of Engineering Sciences, Vol. 22, No. 1, p. 52-68.
14. ***James H. Haido*** (2014) Dynamic magnification factor for concrete wide beam under free fall loading. International Journal of Engineering and Applied Sciences, Vol. 6, No. 2.
15. ***James H. Haido*** (2014) Static analysis of steel fiber concrete beam with heterosis finite elements. ARO, The Scientific Journal of Koya University, Vol. 2, No. 1.
16. Albarwary, I. H.M., ***James H. Haido*** (2013) Bond strength of concrete with the reinforcement bars polluted with oil. European Scientific Journal, Vol. 9, No. 6.
17. ***James H. Haido***, Albarwary, I. H.M. (2013) Cracking strength of steel fiber reinforced concrete shallow beams under impact actions. International Journal of Scientific and Engineering Research, Vol. 4, No. 4.
18. ***James H. Haido*** (2012) Investigation of SFRC corbel performance using a developed nine-noded lagrangian elements. ARPN Journal of Engineering and Applied Sciences, Vol. 7 No. 8.
19. ***James H. Haido*** (2012) Prediction of static behavior for SFRC deep beams using new and simple nonlinear models. Caspian Journal of Applied Sciences Research, 1(5), pp. 1-26, 2012.
20. ***James H. Haido***, Abu Bakar, B. H., Abdul-Razzak, A. A., Jayaprakash, J. & Choong K. K. (2011) Simulation of dynamic response for steel fibrous concrete members using new material modeling. Construction & Building Materials, 25, p. 1407-1418.
21. ***James H. Haido***, Abu Bakar, B. H., Abdul-Razzak, A. A. & Jayaprakash, J. (2011) Numerical prediction of dynamic response of RC beams. Engineering and Computational Mechanics,164(1), p. 1-12.
22. ***James H. Haido***, Abu Bakar, B. H., Abdul-Razzak, A. A. & Jayaprakash, J. (2010) Nonlinear response of steel-fiber reinforced concrete beams under blast loading: Material Modeling and Simulation. Advances in FRP Composites in Civil Engineering.
23. ***James H. Haido***, Abu Bakar, B. H., Abdul-Razzak, A. A. & Jayaprakash, J. (2010) Dynamic response simulation for reinforced concrete slabs. Simulation Modelling Practice and Theory,18, p. 696-711
24. Abu Bakar, B. H., Abdul-Razzak, A. A., ***James H. Haido*** (2009) Tensile behaviour of steel fiber concrete. International Journal of Civil Engineering (published by Research Science Press), 1(2), p. 111-121.
25. Abdul-Razzak, A. A., ***James H. Haido*** (2008) Forced Vibration Analysis of Rectangular Plates using Higher Order Finite Layer, AL-Rafidain Engineering Journal Vol.16, No.5, pp. 43- 50.
26. Abdul-Razzak, A. A., ***James H. Haido*** (2007) Free Vibration Analysis of Rectangular Plates using Higher Order Finite Layer, AL-Rafidain Engineering Journal Vol.15, No.3, pp. 19-32.
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International Conferences:

1- ***James H. Haido*** (2012) Using of developed heterosis finite element to study the behavior of steel fiber reinforced concrete corbels. Proceedings of The Sixth International Composite Conference in Civil, Offshore and Mining Infrastructure (ACUN6), Monash University, Clayton, Melbourne, Australia, 14-16 November, ISBN 978-0-646-58589-5.

2- ***James H. Haido***, Abu Bakar, B. H., Abdul-Razzak, A. A., Jayaprakash, J. (2010) Dynamic performance of circular reinforced concrete slabs. The 3rd International Conference on Engineering & Gaza Reconstruction.
3- Abu Bakar, B. H., Abdul-Razzak, A. A., ***James H. Haido*** (2010) Finite element nonlinear models for steel fibrous and plain concrete material. Proceedings of the First Makassar International Conference on Civil Engineering (MICCE2010), Makassar, Indonesia, ISBN 978-602-95227-0-9.
4- Abu Bakar, B. H., Abdul-Razzak, A. A., ***James H. Haido*** (2009) An overview on material constitutive models and nonlinear dynamic behaviour of steel fiber reinforced concrete. The Fifth Civil Engineering Conference (AWAM'09), Kuala Lumpur, Malaysia, p. 35-50.
5- Abdul-Razzak, A. A., ***James H. Haido*** (2008) Numerical Simulation of Interaction between Slab - Type Brigdes and Moving Vehicles, International Conference on Innovative and Smart Structural Systems for Sustainable Habitat, Coimbatore, India, 3-5th Jan.

10. ORAL PRESENTATIONS

- Online presentation entitled "Online learning for engineering students" for Engineers Without Borders (EWB) Organization, 2020.
- Presentation entitled "Design of Concrete Beams and Columns using ACI - Code" at Linnaeus University, Sweden, 2018.
- Presentation entitled "Recent interests in the research of concrete structures" at Chalmers University of Technology, Sweden, 2016.
- Presentation entitled "Failure analysis of post-tensioned Reinforced Concrete Bridge in Zakho City" at Duhok Governorate, Duhok, Iraq, 2016.
- Presentation entitled "Your Experience in Fulbright Visiting Scholar Program" at College of Engineering, University of Delaware, USA, 2014.
- Presentation entitled "Design of Reinforced Concrete Structures using CSi Softwares" at Directorate of Bridges, Duhok City, Iraq, 2014.
- Presentation entitled "Nonlinear dynamic analysis of reinforced concrete members" at Civil Engineering Department, University of Duhok, 2012.

11. ACTIVITIES AND INTERESTS

- Representative of academic staff of the College of Engineering, University of Duhok, 2014-2015.
- Participation in charity activities.

12. REFERENCES

- Dr. Lokman Hadi Hassan, Vice President for Scientific affairs, University of Duhok, Tel:+9647504505377, Email: lokman.hadi@uod.ac
- Samir Khoshaba, Lecturer, Linnaeus University, Tel.: +46470708815 or +46767603669, Email: samir.khoshaba@lnu.se
- Prof. Badorul Hisham Abu Bakar, School of Civil Engineering, University of Science Malaysia, Tel.: +6045996283, Email: cebad@usm.my
- Dr. Jennifer McConnell Righman, Associate Professor, College of Engineering, University of Delaware, DE, USA, Tel: (302) 831-6056, Email: righman@udel.edu