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EDUCATION

- 2004** **Ph.D.** in Construction Engineering and Management, University of Illinois at Urbana-Champaign, Urbana, Illinois, USA. (4.0/4.0)
- 1992** **M.Sc.** in Civil Engineering, Transportation, University of Jordan, Amman, Jordan.
- 1990** **B.Sc.** in Civil Engineering, University of Jordan, Amman, Jordan.

WORK EXPERIENCE

President of the Hashemite University, 21 April.2024-present

- April 2017 to date** **Professor,**
Construction Engineering and Management,
Department of Civil Engineering, Hashemite University,
Jordan.
- Mar 2020 to Mar 2023** **Vice President for Academic Affairs,**
Hashemite University, Jordan.
- Aug. 2018 to Sep. 2020** **Dean, College of Graduate Studies,**
Hashemite University, Jordan.
- Sep. 2014 to April. 2016** **Associate Professor,**
Construction Engineering and Management,
Department of Civil Engineering, Hashemite University,
Jordan.

- Sep. 2013 to Sep. 2014** **Dean of Student Affairs,**
ALHOSN University, Abu Dhabi, UAE.
- Jan. 2012 to Sep. 2014** **Associate Professor,**
Construction Engineering and Management,
Department of Civil Engineering, ALHOSN University,
Abu Dhabi, UAE.
- July 2010 to Jan. 2012** **Associate Professor,**
Construction Engineering and Management,
Department of Civil Engineering, Hashemite University,
Jordan.
- Jan. 2005 to July 2010** **Assistant Professor,**
Construction Engineering and Management,
Department of Civil Engineering, Hashemite University,
Jordan.
- Sep. 2005 to June 2006** **Part time Lecturer**
Construction Engineering and Management,
Department of Civil Engineering, University of Jordan,
Jordan.
- Aug. 2004 to Dec. 2004** **Visiting Lecturer**
Construction Engineering and Management Program,
Department of Civil & Environmental Engineering,
University of Illinois at Urbana-Champaign. USA.
- Aug. 2001 to Aug. 2004** **Graduate Research and Teaching Assistant**
Construction Engineering and Management,
Department of Civil & Environmental Engineering,
University of Illinois at Urbana-Champaign, USA.
- July 1999 to Aug. 2001** **Head of Traffic Control Section**
Department of Traffic Safety, Ministry of Public Works
and Housing, Jordan.
- Jan. 1994 to July 1999** **Transportation Engineer**
Department of Traffic Safety, Ministry of Public Works
and Housing, Jordan.
- March 1993 to Dec. 1993** **Researcher**
Building Research Center, Royal Scientific Society
(RSS), Jordan.
- May 1992 to Aug. 2001** **Construction Developer**
Construction and management of several commercial
and residential buildings in Amman, Jordan.

ACADEMIC COMMITTEES

- Chair of the University Curriculum Committee, The Hashemite University, (March 2020 – March 2023).
- Chair of the University Technical Committee- Hiring and Promotion, The Hashemite University, (March 2020 – March 2023).
- Chair of the College of Graduate Studies Council, The Hashemite University (August 2018 – September 2020).
- Chair of The University Higher Committee for Participating in the Competition for Distinguished Public University Award- King Abdullah II Center for Excellence, The Hashemite University.
- Chair of the Graduate Studies Council, Faculty of Graduate Studies, The Hashemite University (August 2018 - September 2020).
- Member of the Deans Council, The Hashemite University (August 2018 – March 2023).
- Member of the University Hiring and Promotion Committee, The Hashemite University (August 2018 – March 2023).
- Member of the University Scientific Research Support Committee, The Hashemite University (August 2018 – March 2023).
- Member of the University Curriculum Committee, The Hashemite University, (August 2018 – March 2020).
- Member of The University Committee on Student Cases, The Hashemite University, (August 2019 – March 2020).
- Member of The Recruitment and Promotion Committee, ALHOSN University, Abu Dhabi, UAE, (September 2013 – August 2014).
- Member of The Financial Aid Committee, ALHOSN University, Abu Dhabi, UAE, (September 2013 – August 2014).
- Chair of The University Committee on Student Cases, ALHOSN University, Abu Dhabi, UAE, (September 2013 – August 2014).
- Chair of The ABET Accreditation Committee, Department of Civil Engineering, The Hashemite University, (September 2015 – August 2016).
- Chair of The Scientific Research Committee, Department of Civil Engineering, The Hashemite University, (September 2014 – August 2018).
- Chair of The Graduate Studies Committee, Department of Civil Engineering, The Hashemite University, (September 2018 – March 2020).

PUBLICATIONS

A) REFREED JOURNALS

Hyari, K. (2023) "An Owner's Overview of Contractor's Models for Unbalanced Bidding: Easing the Controversy over This Practice." *Journal of Legal Affairs and Dispute Resolution in Engineering and Construction*. (Accepted).

Hyari, K. (2023) "Detecting Skewed Pricing in Tenders for Public-Sector Projects." *Journal of Construction Engineering and Management*, (Accepted)

Hyari, K., and Khalafallah, A. (2023) "A Legitimate Alternative for Unbalanced Bidding in Unit Price Contracts." *Journal of Legal Affairs and Dispute Resolution in Engineering and Construction*. (Accepted).

Hyari, K. (2023) "A Procedure for Rebalancing Unbalanced Bidding in Unit Price Contracts." *J Journal of Legal Affairs and Dispute Resolution in Engineering and Construction*, ASCE. 15(2) (May 2023). DOI: 10.1061/JLADAH.LADR-939.

Alhyari, O. and **Hyari, K.**, (2023) "An International Perspective on Unbalanced Pricing under Bidding Regulations of Public Construction Projects." *Journal of Legal Affairs and Dispute Resolution in Engineering and Construction*, ASCE. 15(2). <https://doi.org/10.1061/JLADAH.LADR-852>

Alhyari, O., and **Hyari, K.** (2022) "Handling Unbalanced Pricing in Bidding Regulations for Public Construction Projects." *Journal of Legal Affairs and Dispute Resolution in Engineering and Construction*, ASCE. 14(3). [https://doi.org/10.1061/\(ASCE\)LA.1943-4170.0000547](https://doi.org/10.1061/(ASCE)LA.1943-4170.0000547)

Hyari, K., and Alamayreh, T. (2022) "Unbalanced Bidding in Construction Projects: A Contractors' Perspective." *International Journal of Construction Management*, Taylor & Francis. <https://doi.org/10.1080/15623599.2022.2035498>.

Alhyari, O., and **Hyari, K.** (2021) "Impact of Variation in Estimated Quantity Clauses on Allocating Financial Risks in Measurement Contracts." *Journal of Legal Affairs and Dispute Resolution in Engineering and Construction*, ASCE, 13(4). [https://doi.org/10.1061/\(ASCE\)LA.1943-4170.0000499](https://doi.org/10.1061/(ASCE)LA.1943-4170.0000499)

Alkhateeb, A., **Hyari, K.**, and Hiyassat, M. (2020) "Analyzing Bidding Competitiveness and Success Rate of Contractors Competing for Public Construction Projects." *Construction Innovation*, Emerald, 20(4). 576-591. <https://doi.org/10.1108/CI-04-2020-0060>

Khalafallah, A., and **Hyari, K.** (2018) "Optimization Parameter Variation: Improving Bi-objective Optimization of Temporary Facility Planning." *Journal of Computing in Civil Engineering*, ASCE, 32(5). [https://doi.org/10.1061/\(ASCE\)CP.1943-5487.0000780](https://doi.org/10.1061/(ASCE)CP.1943-5487.0000780)

Shatarat, N., Katkhuda, H., **Hyari, K.**, and Asi, I. (2018) "Effect of Using Recycled Aggregate and Recycled Asphalt Pavement on the Properties of Previous Concrete." *Structural Engineering and Mechanics*, Vol. 67, No. 3, 283-290. DOI: <https://doi.org/10.12989/sem.2018.67.3.283>

Katkhuda, H., Shatarat, N., and **Hyari, K.** (2017) "Effect of silica fume on mechanical properties of concrete containing recycled asphalt pavement." *Structural Engineering and Mechanics*, Volume 62 Issue 3 / Pages.357-364 / <https://doi.org/10.12989/sem.2017.62.3.357>

Hyari, K., Shatarat, N., and Khalafallah, A. (2017) "Handling Risks of Quantity Variations in Unit-Price Contracts." *Journal of Construction Engineering and Management*, ASCE, 143(10). [https://doi.org/10.1061/\(ASCE\)CO.1943-7862.0001393](https://doi.org/10.1061/(ASCE)CO.1943-7862.0001393)

Katkhuda, H., Shatarat, N., and **Hyari, K. (2017)** "Two Stage Crack Detection Approach for Three Dimensional Structural Systems." *International Journal of Structural Engineering*, Vol. 8, No. 2, 93-110. Inderscience Publishers.

Khelifi, A., and **Hyari, K. (2016)** "A Mobile Device Software to Improve Construction Sites Communications "MoSIC"." (IJACSA) *International Journal of Advanced Computer Science and Applications*, Vol. 7, No. 11, 51-58.

Hyari, K. (2017) "Owner's Countermeasures to Skewed Bidding in Construction Projects: Review of Current Practices and Proposal for New Countermeasures." *Journal of Management in Engineering*, ASCE. 33(3), DOI: 10.1061/(ASCE)ME.1943-5479.0000502

Hyari, K. (2016) " The Controversy around Unbalanced Bidding in Construction: Striking a Fair Balance." *Journal of Professional Issues in Engineering Education and Practice*, ASCE. DOI: 10.1061/(ASCE)EI.1943-5541.0000300 (Published 12 July 2016)

Hyari, K., Tarawneh, Z., and Katkhuda, H. (2016) "Detection Model for Unbalanced Pricing in Construction Projects: A Risk-Based Approach" *Journal of Construction Engineering and Management*, ASCE. DOI: 10.1061/(ASCE)CO.1943-7862.0001203 (Published 14 July 2016)

Hyari, K., Khelifi, A., and Katkhuda, H. (2016) "Multi-Objective Optimization of Roadway Lighting Projects." *Journal of Transportation Engineering*, ASCE. Vol. 142, No. 7 (July 2016). DOI: 10.1061/(ASCE)TE.1943-5436.0000853

Hyari, K., El-Mashaleh, M., and Rababeh, S. (2015) "Framework for Managing the Traffic Impacts of Building Construction Projects." *Journal of Construction in Developing Countries*, Vol. 20, No. 2, pp. 97-113.
http://web.usm.my/jcdc/vol20_2_2015/JCDC%2020%282%29%202015-Art.%206%2897-113%29.pdf

Hyari, K. (2015) "Handling Unbalanced Bidding in Construction Projects: Prevention rather than Detection." *Journal of Construction Engineering and Management*, ASCE. Vol. 142, No. 2 (February 2016) DOI: 10.1061/(ASCE)CO.1943-7862.0001045 (Published: 27 July 2015)

Hyari, K., Al-Daraiseh, A., and El-Mashaleh, M. (2016) "Conceptual Cost Estimation Model for Engineering Services in Public Construction Projects." *Journal of Management in Engineering*, ASCE. Vol. 32, No. 1 (January 2016). DOI: 10.1061/(ASCE)ME.1943-5479.0000381 (Published: 24 April 2015)

Katkhuda, H., Shatarat, N., and **Hyari, K. (2016)** "Damage Detection in Steel Structures with Semi-rigid Connections Using Unscented Kalman Filter."

International Journal of Structural Integrity, Emerald Group, Accepted for publication on July 4, 2016

El-Mashaleh, M.; **Hyari**, K., Bdour, A., and Rababeh, S. (2015) "A Multi-Attribute Decision-Making Model for Construction Enterprise Resource Planning System Selection." *International Journal of Construction Education and Research*, Taylor & Francis. Vol. 12, No. 1, 2016, pp. 66-79. DOI:10.1080/15578771.2015.1015755 (Published online: 04 Mar 2015)

Hyari, K., Kandil, A., and El-Mashaleh, M. (2010) "Optimal Assignment of Multi-skilled Labor in Building Construction Projects." *International Journal of Construction Education and Research*, Taylor & Francis, Vol. 6, No. 1, pp. 70-80. DOI: 10.1080/15578771003590284

El-Mashaleh, M., Rababeh, S., and **Hyari**, K. (2010) "Utilizing Data Envelopment Analysis to Benchmark Safety Performance of Construction Contractors." *International Journal of Project Management*, ELSEVIER, Vol. 28, No. 1, pp. 61-67. DOI:10.1016/j.ijproman.2009.04.002

El-Mashaleh, M., Al-Smadi, B., **Hyari**, K., and Rababeh, S. (2010) "Safety Management in the Jordanian Construction Industry." *Jordan Journal of Civil Engineering*, Vol. 4, No. 1.

<https://elearning.just.edu.jo/jjce/issues/paper.php?p=106.pdf>

Hyari, K. H.; El-Rayes, K.; and El-Mashaleh, M. (2009) "Automated Trade-off between Time and Cost in Planning Repetitive Construction Projects," *Construction Management and Economics*, Taylor & Francis, Vol. 27, No. 8, pp. 749 - 761. DOI: 10.1080/01446190903117793

Hyari, K. and Kandil, A. (2009) "Validity of Feasibility Studies for Infrastructure Construction Projects." *Jordan Journal of Civil Engineering*, Vol. 3, No. 1, pp. 66-77. <https://elearning.just.edu.jo/jjce/issues/paper.php?p=72.pdf>

Hyari, K. and El-Rayes, K. (2006) "Optimal Planning and Scheduling for Repetitive Construction Projects." *Journal of Management in Engineering*, ASCE, Vol. 22, No. 1, pp. 11-19. DOI: 10.1061/(ASCE)0742-597X(2006)22:1(11)

Hyari, K. and El-Rayes, K. (2006) "Field Experiments to Evaluate Lighting Performance in Nighttime Construction." *Construction Management and Economics*, Taylor & Francis, Vol. 24, No. 6, pp. 591-601. DOI: 10.1080/01446190600601669

Hyari, K. and El-Rayes, K. (2006) "Lighting Requirements for Nighttime Highway Construction," *Journal of Construction Engineering and Management*, ASCE, Vol. 132, No. 5, pp. 435-443. DOI: 10.1061/(ASCE)0733-9364(2006)132:5(435)

El-Rayes, K. and **Hyari**, K. (2005) "Optimal Lighting Arrangements for Nighttime Highway Construction Projects." *Journal of Construction Engineering and Management*, ASCE, Vol.131, No.12, pp. 1292-1300. DOI: 10.1061/(ASCE)0733-9364(2005)131:12(1292)

El-Rayes, K. and **Hyari**, K. (2005) "CONLIGHT: Lighting Design Model for Nighttime Highway Construction," *Journal of Construction Engineering and Management*, ASCE, Vol. 131, No. 4, pp. 467-477. DOI: 10.1061/(ASCE)0733-9364(2005)131:4(467)

B) REFREED CONFERENCE PROCEEDINGS

Hyari, K. (2022) "Payment Procedures Under FIDIC Construction Contract", *Proceedings of the Fourth European and Mediterranean Structural Engineering and Construction Conference, EURO MED SEC 4*, Leipzig, Germany, June 20-25, 2022

Hyari, K. (2019) "Characteristics of Bidding for Engineering Services in Public Construction Projects." *Proceedings of the 11th International Conference on Construction in the 21st Century, CIT11 2019*, September 9-11, 2019, London, U.K.

Hyari, K. (2016) "Contractors' Bidding Behavior in First-Price Sealed Auctions for Construction Projects." *Proceedings of the 7th International Conference on Construction and Project Management, ICCPM 2016*, August 24-26, 2016, Turku, Finland.

Hyari, K., and Almani, A. (2013) "Analyzing Competition in Public Construction Projects." *Proceedings of the: International Conference on Structural and Construction Engineering, ICSCCE 2013*, November, 14-15, 2013, Venice, Italy.

Kandil, A; **Hyari**, K; and Bisani, M. (2010) "Optimization of highway construction work zones: the agency and user cost tradeoff" *Proceedings of the International Conference on Computing in Civil and Building Engineering, ICCCBCE2010*, W. TIZANI (Editor), 30 June - 2 July 2010, Nottingham, UK., Nottingham University Press, Paper 128, p. 255, ISBN 978-1-907284-60-1

Hyari, K. (2007) "Feasibility Studies for Infrastructure Construction Projects: How Good are they?" *Proceedings of the 5th International Conference on Construction Project Management and 2nd International Conference on Construction Engineering and Management, ICCPM / ICCCEM*, 1-2 March, 2007, Singapore.

Hyari, K. and El-Rayes, K. (2003) "A Multi-Objective Model for Optimizing Construction Planning of Repetitive Infrastructure Projects" *Proceedings of the Xth International Conference on Computing in Civil and Building Engineering*, Weimar, Germany, June 2-4, 2004.

Hyari, K (2003) "Striking a Balance: Optimizing Nighttime Construction Lighting to Satisfy Multiple Objectives" *Proceedings of the PhD Research Symposium, ASCE Construction Research Council*, Nashville, Tennessee, November 12-15, 2003.

El-Rayes, K. and **Hyari**, K. (2003) "Lighting Design for Highway Nighttime Construction Operations." *Proceedings of the Second International Structural Engineering and Construction Conference, ISEC 02*, Rome, Italy, September 23-26, 2003.

El-Rayes, K. and **Hyari**, K. (2003) "Lighting Design Requirements for Highway Nighttime Construction" *Proceedings of the ASCE Construction Research Congress:*

Wind of Change: Integration and Innovation, Honolulu, Hawaii, March 19-21, 2003.
DOI: 10.1061/40671(2003)34

El-Rayes, K. and **Hyari**, K. (2002) "Automated DSS for Lighting Design of Nighttime Operations in Highway Construction Projects." *Proceedings of the 19th International Symposium on Automation and Robotics in Construction, ISARC*, Washington, DC, September 23-25, 2002.

C) TECHNICAL REPORTS

El-Rayes, K. Liu, L., and Hyari, K. "Nighttime Construction: Evaluation of Lighting for Highway Construction Operations in Illinois". (Final Report). Project VD-H1, FY 00/01, Illinois Transportation Research Center, Illinois Department of Transportation, August 2003.

El-Rayes, K. Liu, L., and Hyari, K. "Recommendations for Lighting Arrangements: Evaluation of Lighting for Highway Construction Operations in Illinois". (4th Interim Report). Project VD-H1, FY 00/01, Illinois Transportation Research Center, Illinois Department of Transportation, April 2003.

El-Rayes, K. Liu, L., and Hyari, K. "Development of Design Criteria for Nighttime Construction Lighting". (3rd Interim Report). Project VD-H1, FY 00/01, Illinois Transportation Research Center, Illinois Department of Transportation, November 2002.

El-Rayes, K. Liu, L., and Hyari, K. "Survey Results: Nighttime Construction: Evaluation of Lighting for Highway Construction Operations in Illinois". (2nd Interim Report). Project VD-H1, FY 00/01, Illinois Transportation Research Center, Illinois Department of Transportation, June 2002.

El-Rayes, K. Liu, L., and Hyari, K. "Literature Review: Nighttime Construction: Evaluation of Lighting for Highway Construction Operations in Illinois". (1st Interim Report). Project VD-H1, FY 00/01, Illinois Transportation Research Center, Illinois Department of Transportation, December 2001.

Abu-Sa'da, N. and Hyari, K (1995) "Utilization of Large size Aggregate Mixtures in Asphaltic Pavements to Resist High-Axle Loadings". (Final Report). Royal Scientific Society, The Higher Council for Science and Technology, Amman, Jordan.

COURSES TAUGHT

1) University of Illinois at Urbana-Champaign. USA.

- Construction Cost Analysis and Estimating (CEE422) (*graduate course*)

2) Hashemite University, Jordan

- Construction Contracts Management (401348)
- Construction Contracts and Specifications (4401447)
- Construction Project Management (401346)
- Construction Cost Analysis and Estimating (401448)
- Construction Methods (401343)
- Construction Equipment and Methods (401341)

- Construction Project Management (4401443)
- Construction Cost Analysis and Estimating (4401442)
- Computer-Aided Drawings (401101)
- Visual Communication (2401102)
- Engineering Drawings (4401102)

3) University of Jordan, Jordan

- Construction Contracts and Specifications, (0901421)
- Engineering Economy (0901420)

4) Alhosn University, UAE

- Construction Contracts Administration (MBE 605) (graduate course)
- Legal Issues and Contract Administration (MEM605) (graduate course)
- Construction Planning (CIV 315)
- Engineering Design and Drafting (IND212)
- Advanced Engineering Economics (MEM601) (*graduate course*)
- Construction Planning and Control (MBE 606) (*graduate course*)
- Planning and Control (MEM 606) (*graduate course*)
- Construction Cost Estimating (MBE 607) (*graduate course*)
- Construction Equipment and Operations (MBE603) (*graduate course*)
- Project Management (MBE602) (*graduate course*)
- Interior Design and Construction I (INT 253)
- Interior Design and Construction II (INT 303)

5) Professional Training Courses

- **Project Estimating and Tendering**, 18th – 20th November 2019, Dubai Municipality, Dubai, UAE.
- **Construction Site Management and Supervision**, 13th – 17th April 2008, PROJACS International, Abu Dhabi, UAE.
- **Construction Claims, Counterclaims and Disputes**, 26th-28th October 2008, **Dubai Municipality**, Dubai, UAE.
- **Construction Site Management and Supervision (Certified Program)**, 22th – 26th February 2009, **PROJACS International**, Dubai, UAE.
- **Construction Quality Management**, 5-8 April 2009, **United Arab Emirates Army-Military Works**, Abu Dhabi, UAE.
- **Construction Site Management and Supervision (Certified Program)**, 1st-5th, November 2009, **PROJACS International**, Dubai, UAE.
- **Construction Site Management and Supervision (Certified Program)**, March 28 - April 1, 2010, **Ministry of Public Works**, Dubai, UAE.
- **Construction Site Management and Supervision (Certified Program)**, 24th – 28th October 2010, PROJACS International, Dubai, UAE.
- **New Developments in Construction Site Management and Supervision**, 4-7 July 2009, Engineers Training Center, **Jordan Engineers Association**, Amman, Jordan

6) Courses Taught as Teaching Assistant

- Construction Planning and Control (CEE 421), University of Illinois at Urbana-Champaign, USA
- Construction Optimization and Decision Analysis (CEE 498), University of Illinois at Urbana-Champaign, USA

RESEARCH INTERESTS

- Construction law and contract administration
- Information technology in construction.
- Automated Decision Support Systems in construction.
- Construction and maintenance of Infrastructure facilities.
- Optimal planning and construction of infrastructure systems.
- Multi-objective optimization in construction

PROFESSIONAL REGISTRATION

- Professional Civil Engineer – Jordanian Engineers Association, Registration number 1-10254, 1990.

TRAINING COURSES ATTENDED

- **Lectora Authoring & Publishing Tool**, E-Learning Center, Hashemite University, February 11-20, 2008.
- **Higher Education Teaching and Assessment Techniques**, Center for Academic Quality Assurance (CAQA), Hashemite University, April 9-23, 2005.
- **International Teaching Assistant Orientation Program**, Center for Teaching Excellence, University of Illinois at Urbana-Champaign, Illinois, USA. August 2003

SERVICE:

- External examiner for master's candidates in the Engineering Management Program, University of Jordan.
- Reviewer for refereed international journals & support funds:
 - Journal of Construction Engineering & Management, ASCE.
 - Journal of Management in Engineering, ASCE.
 - Journal of Legal Affairs and Dispute Resolution in Engineering and Construction, ASCE.
 - Automation in Construction, Elsevier.

- Journal of Civil Engineering and Management, Vilnius Gediminas Technical University.
- International Journal of Construction Management, Taylor & Francis.
- PLoS ONE. Public Library of Science
- Ergonomics, Taylor & Francis.
- International Journal of Civil Engineering, Springer.
- Scientific Research Support Fund, Jordan.
- Invited Talk titled "Maintenance Management of Buildings", Workshop on Maintenance & Management of Civil Engineering Structures - Jordan Engineers Association, 29 August, 2007, Amman, Jordan.

Honors/Awards

- PhD Scholarship, Hashemite University (2001-2004)
- Graduate Research and Teaching Assistantship, University of Illinois at Urbana-Champaign (2001-2004)
- First rank on Graduate Students in Engineering, University of Jordan, 1992