



CURRICULUM VITAE

Raed Mohammad Abendeh

Civil and Infrastructure Engr. Dept. /Faculty of Engr. & Technology

Al-Zaytoonah University of Jordan

Amman, 11733

PO Box 130

Phone: (962) 77 268 1295

Fax: (962) 6 429-1432

E-mail: r.abendeh@zuj.edu.jo

Homepage: <http://www.zuj.edu.jo/portal/raed-abendeh>



1. Personal Data

Date of Birth: February 24, 1975

Nationality: Jordanian

2. Education

- Ph.D. degree of science in civil engineering (structural) 2006, Hamburg University of Technology, Hamburg, Germany.
- M.Sc. degree of science in civil engineering (structural) 2001, Jordan University of Science and Technology, Irbid, Jordan.
- B.Sc. degree of science in civil engineering (structural) 1998, Jordan University of Science and Technology, Irbid, Jordan.

3. Ph.D. Dissertation

Title of Dissertation: Temperature induced Deformations in Match-Cast Segments and Their Effects on Precast Segmental Bridges, Hamburg University of Technology, Hamburg, and Germany.

4. Employment

Academic Positions



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- Assistant Professor, Department of Civil Engineering, Zarqa University, Jordan
September 2009-August 2012.
- Assistant Professor, Department of Civil Engineering, Philadelphia University,
Jordan
September 2012-August 2013.
- Assistant Professor, Department of Civil Engineering, Applied Science
University, Jordan
September 2013-August 2014.
- Assistant Professor, Department of Civil and Infrastructure Engineering, Al-
Zaytoonah University of Jordan, Jordan
September 2014-Now.

5. Research Interests

- Construction and Building Materials
- Design and construction of bridges.
- Construction chemicals.

6. Membership in Scientific Societies and Associations

None

7. Honors and Awards

None

8. Fellowships and Scholarships

None

9. Teaching Experience

- *Undergraduate Courses*
 - Prestressed Concrete
 - Reinforced Concrete 2
 - Reinforced Concrete 1
 - Design of Steel Structures
 - Structural Analysis 1
 - Structural Analysis 2
 - Strength of Materials
 - Statics
 - Concrete Technology
 - Graduation Project



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10. Grants

- Improved Strength and Durability Resistance of Concrete Containing Steel Slag, 2015, Deanship of scientific research and higher studies, Al-Zaytoonah University of Jordan (24,850 JD).
- Improved Strength and Durability Resistance of Concrete Mix Containing Jordanian Bentonite and Asphalt Containing Jordanian Bentonite, 2015, Deanship of scientific research and higher studies, AL-Zaytoonah University of Jordan (13,700 JD).
- Student Graduation Project, ZUJ, Amman, Jordan, 2018 (250 JD).

11. Membership of Committees

- **National and International**
 - *Member of the organizing committee of the 8th International conference on Engineering, Project, and Product Management (EPPM 2017).*
 - *Member of the Jordanian Engineers Association, Amman, Jordan*
- **University**
 - *Exams and evaluating Committee*

12. Professional and Scientific Meetings***Scientific Meetings Organized***

8th International Conference on Engineering, Project, and Product Management (EPPM 2017), Al-Zaytoonah University of Jordan, 2017.

Participation in Scientific meetings

- 8th International Conference on Engineering, Project, and Product Management (EPPM 2017), Al-Zaytoonah University of Jordan, 2017.
- 17th International Conference on Civil and Construction Engineering, 2015, London-UK.
- Building and Analyzing Exams Workshop, ZUJ, Amman, Jordan, 2017 (3 days).

13. Publications**Papers in refereed journals:**

- **Abendeh R., AbuSalem Z., Bani Baker M., Khedaywi T.,** Strength and Resistance to Freezing-Thawing Action of Concrete Containing Waste Glass, Proceedings of the Institution of Civil Engineers-Construction Materials, 2018.



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- Bani Baker M.I., **Abendeh R.M.**, Obaidat T.S., Employing Natural Bentonite Clay as Partial Replacement of Mineral Filler in Asphalt Mixtures, ASCE's Journal of Materials in Civil Engineering, DOI:10.1061/(ASCE)MT.1943-5533.0002375, 2018.
- Abu Salem Z., Khedawi T.S., Bani Baker M., **Abendeh R.**, Effect of Waste Glass on Properties of Asphalt Concrete Mixtures, Jordan University of Science and Technology, Jordan. Vol. 11, no. 1, 2017, pages 117-131.
- **Abendeh R.**, Ahmad H.S., Hunaiti Y.M., Experimental Studies on the Behavior of Concrete-Filled Steel Tubes Incorporating Crump Rubber, Journal of Constructional Steel Research, 122, 2016, pages 251-260.
- Bani Baker M., **Abendeh R.**, Abu Salem Z., Taisir S. Khedawi, Production of Sustainable Asphalt mixes Using Recycled Polystyrene. International Journal of Applied Environmental Sciences. Vol. 11, no. 1, 2016, pages 183-192.
- **Abendeh R.**, Ramadan K., Haddad R., Bani Baker M., Freezing Thawing Resistance of Concrete Incorporating Glass Waste, Journal of Materials Science Research. Vol. 4, no. 4, 2015, pages 19-25.
- **Abendeh R.**, Bani Baker M., Abu Salem Z., Ahmad H., The Feasibility of Using Milled Glass Wastes in Concrete to Resist Freezing-Thawing Action. International Journal of Civil, Environmental, Structural, Construction and Architectural Engineering, Vol.9, No 8, 2015
- Rombach G., **Abendeh R.**, Bow-Shaped Segments in Precast Segmental Bridges. Engineering Structures 30 (6), 2008, pages 1711-1719.
- **Abendeh R.**, Brockmann C., Fischer O., Rombach G., Temperaturinduzierte, Bleibende Verformungen von Brueckensegmenten bei der Herstellung im Kontaktverfahren. Beton- und Stahlbetonbau 3, 2005, pages 207 – 215.
- Haddad Rami, **Abendeh R.**, Effect of Thermal Cycling on Bond Between Reinforcement and Fiber Reinforced Concrete. Cement and concrete composites, vol. 26, issue 6, 2004.

Conference Presentations

- **Abendeh R.**, Bani Baker M., Abu Salem Z., Ahmad H., The Feasibility of Using Milled Glass Wastes in Concrete to Resist Freezing-Thawing Action, 17th International Conference on Civil and Construction Engineering, 2015, London-UK.
- Bani Baker M., **Abendeh R.**, Using Hollow Concrete and Thermostone Blocks in Sound Isolation System, Lecture Notes on Mechanical Engineering (Springer) 2018 Chapter 18 pages “8thInternational Conference on Engineering, Project, and Product Management (EPPM 2017)”.



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- Bani Baker M., Elektorowicz M., Hanna A., **Abendeh R.**, Ayadat T., Electrokinetic Nondestructive In-situ Technique for Rehabilitation of Damaged Liner, The symposia on Electrokinetic Remediation EREM2017, August 2017, Montreal-Canada.
- Bani Baker M., **Abendeh R.**, Abu Salem Z., Ahmad H., The Engineering Properties of Jordanian Marble, 17 th International conference on Civil and Building Engineering, 2015, Montreal, Canada.
- Rombach G., **Abendeh R.**, Temperature Induced Deformations in Match-Cast Segments, IABSE Symposium Report, 88 (6), pages 403-408, Shanghai, China.