

Publications

Architectural Engineering Department

Year 2017

Journals

1. Attoye, D.E.; Tabet Aoul, K.A.; Hassan, A., (2017). A Review on Building Integrated Photovoltaic Façade Customization Potentials. *Sustainability* 2017, 9, 2287.
2. Al Dakheel, J.; Tabet Aoul, K.* (2017), "Building Applications, Opportunities and Challenges of Active Shading Systems: A State-of-the-Art Review". *Energies* 2017, 10(10), 1672
3. Nebia, B., Tabet Aoul*, K., (2017), Overheating and Daylighting; Assessment Tool in Early Design of London's High-Rise Residential Buildings, *Sustainability* 2017, 9 , 1544; doi:10.3390/su, 9091544.
4. Haggag, M.; A. Hassan; G. Qadir, Energy and Economic Performance of Plant-Shaded Building Façade in Hot Arid Climate, *Journal of Sustainability* 2017, 9(11), 2026; doi: 10.3390/su9112026 <http://www.mdpi.com/2071-1050/9/11/2026/pdf>
5. A Hasan, J Sarwar, H Alnoman, S Abdelbaqi. Yearly energy performance of a photovoltaic-phase change material (PV-PCM) system in hot climate. *Solar Energy* 146, 417-429
6. Omar J. Al-Khatib, A. Abdou, An Ethical (Descriptive) Framework for Judgment of Actions and Decisions in the Construction Industry and Engineering—Part I, *Springer Journal Science & Engineering Ethics*, 2017, Pg 1-22, DOI: 10.1007/s11948-017-9895-1
7. Galal Ahmed, Khaled (2017) Designing Sustainable Urban Social Housing in the United Arab Emirates, *Sustainability*, Vol. 9, No. 1413; doi:10.3390/su9081413, <http://www.mdpi.com/2071-1050/9/8/1413/pdf>
8. Haddad, M. Cyclic Behavior and Finite Element Modeling of Wide Flange Steel Bracing Members. *Thin-Walled Structures*. Volume 111, 2017, pp. 65-79.
9. Al Qadi, A., Haddad, M. Predicting contour slump flow of self-compacting concrete using bentonite as filler. *Advances in Ecological and Environmental Research*, 2017, Volume 2, Issue 11, pp. 451–460.
10. Bonham, D., Goodrum, P., Littlejohn, R., and Albattah, M. (2017). "The Application of Data Mining Techniques to Quantify the Relative Influence of Design and Installation Characteristics on Labor Productivity." *Journal of Construction Engineering and Management*, 143(8), 04017052

Conferences

1. Attoye, D., Tabet Aoul, K. Hassan, A., (2017) "Innovative building integrated photovoltaic façade: description, advantages and challenges", in proceedings of the 12th Conference on Advanced Building Skins, 2-3 October 2017, Bern, Switzerland. ISBN: 978-3-9524883-1-7, pp. 1206-1215.
2. Tabet Aoul K., (2017) "The ethical commitment to sustainability in the Gulf Countries; Architectural Education Challenges", in the Proceedings of the 33rd Passive and Low Energy Architecture International Conference, Edinburgh 2-5th July 2017. ISBN 978-0-9928957, Vol 2- pp 2205-2212
3. Tabet Aoul. K., Hassan, A., Riaz, H., (2017) "Parametric optimization of solar hot water systems for different building types under hot climate" , in the Proceedings of the 33rd Passive and Low Energy

Architecture International Conference Edinburgh 2-5th July 2017. ISBN 978-0-9928957, Vol 2- pp 4547-4554

4. Belakhal, A., Tabet Aoul, K., Bennadji, A., (2017) “Natural versus artificial lighting use in an office building under clear sunny Skies” in the Proceedings of the 33rd Passive and Low Energy Architecture International Conf. Edinburgh, UK 2-5th July 2017. ISBN 978-0-9928957, Vol 2- pp 3143-3150
5. Haggag, M. and A. Hassan, Cost-benefit Comparison of Vegetated and Plant-shaded Building Façades in Hot Climate, Proceedings of the 4th International ARCHITECTURE Conference with AWARDS (S.ARCH 2017), 7-9 June 2017, Hong Kong. <http://www.s-arch.net/index.html>
6. Haggag, M. and S. Al Senani, Factors Affecting Residential Distribution Patterns of Al-Seeb Province of Muscat Governorate, Sultanate Oman, Proceedings of the 2nd International City Planning and Urban Design Conference (CPUD '17), 5-6 May 2017, Istanbul, Turkey. <https://www.dakamconferences.org/cpud>
7. Galal Ahmed, Khaled (2017) Sustainable Urban Regeneration Strategies for Deteriorated Neighborhoods Centers in UAE, In the Proceedings of The 3rd International Sustainable Buildings Symposium (ISBS 2017), Dubai, UAE, March 15-17, 2017.
8. Badawi, Samaa and Galal Ahmed, Khaled (2017) A Form-Based Code as A Comprehensive Urban and Architecture Regulations: A Case Study of Port Said Street, Mansoura City- Egypt, In the Proceedings of The First Mmaryat International Conference; Architecture of the Future: Challenges and Visions, Riyadh, KSA, April 18-20, 2017.
9. Sabri, Arwa Khalid and Galal Ahmed, Khaled (2017) Towards a Localized Form-Based Code for Abu Dhabi Urban Neighborhoods. In the Proceedings of the 5th Annual International Conference on Architecture and Civil Engineering (ACE 2017), Singapore, May 8-9, 2017.
10. Yazdi, Seyed Mohammad Hossein Alipour and Galal Ahmed, Khaled (2017) Social Activities within Neighborhood Centers in Dubai, in the Proceedings of the UAE-GSRC 2017, March 20-21, Khalifa University, Abu Dhabi.
11. Jasim, Fanan and Galal Ahmed, Khaled (2017) Investigation of Social Sustainability Design Aspects in Students' Hostels, in the Proceedings of the UAE-GSRC2017, March 20-21, Khalifa University, Abu Dhabi.
12. Bleibleh, Sahera (2017). “Place Making and Wellbeing: The Story of Forbidden Space.” Passive Low Energy Architecture, Design to Thrive Proceedings PLEA 2017. V III (4469-4476)
13. Bleibleh, Sahera and Hannawi, N. (2016). Transformations of Traditions: The Correlation Between Spatial Development and Everyday Commuting Behaviors in the UAE – The Case of Dubai in Traditional Dwellings and Settlements Working Paper Series (WPS) in conjunction with the 2016 IASTE Conference, “Legitimizing Tradition”. V (283) 22-38.
14. Rashed Alshali, Ghulam Qadir, Asalah El Naffar, Batoul Hittini, Aisha Obaid, and Hind, “Stand-Alone Educational Center”, the Ninth International Structural Engineering and Construction Conference, Valencia, Spain July 24-July 29, 2017 Resilient Structures and Sustainable Construction
15. Albattah, M., and Goodrum, P. (2017). “The Comparative Experience in Multiskilling among U.S. Hispanic and non-Hispanic Construction Craft Workers.” 6th Int. Construction Specialty Conference, Univ. of British Columbia, Vancouver, BC, Canada. (Accepted, May 13th, 2017).
16. Minooei, F., Albattah, M., Goodrum, P., and Taylor, T. (2017). “Towards Deeper Understanding of Future Craft Shortages in The Construction Industry: Supply and Demand Sides.” 6th Int. Construction Specialty Conference, Univ. of British Columbia, Vancouver, BC, Canada. (Accepted, May 13th, 2017).

17. Khoukhi, M. "Thermal Performance of Common Building Insulation Materials: Operating Temperature and Moisture Effect". 19th International Conference on Civil Engineering and Architecture: ICCEA 2017, Montreal, Canada May 11 - 12, 2017. As Keynote Speaker
18. Muhammad Tariq Shafiq., Lockley, S,R., (2017)Towards Managing Iterative Changes in BIM Collaboration Workflows. Proceedings of AUBEA conference 2017, Melbourne, Australia.

Book Chapters

1. Agiel A. (2017). A Brand Design Strategy for Architects' Creative Thinking: Florestano Di Fausto - A Case Study. In: Amoruso G. (eds) Putting Tradition into Practice: Heritage, Place and Design. INTBAU 2017. Lecture Notes in Civil Engineering, (3). Springer.
2. Alkhatib, Omar J. "Unique Model Architecture" Atyaf - Shawahiq Aibnat Alhadid. Kingdom of Bahrain: Ministry of Culture, 2017. P. 131-139.

Patents