

## **Sherif O. Attallah**

Associate Chair & Associate Professor  
Construction Management & Interior Design Department, College of Architecture  
Ball State University, Muncie, Indiana 47306  
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### **WORK HISTORY**

- Aug. 2019 – Present **Associate Professor of Construction Management**  
Ball State University
- Aug. 2014 – Aug 2019 **Assistant Professor of Construction Management**  
Ball State University
- Jan.2012 – July 2014 **Teaching Assistant / Research Assistant / PhD Candidate**  
Division of Construction Engineering and Management, School of Civil Engineering,  
Purdue University
- Jan. 2012 - Aug. 2013 **Contracts/Proposals Manager (Part Time)**  
Alghanim International, Doha, Qatar
- June. 2011 - Jan. 2012 **Senior Contract Administrator**  
Turner Middle East, Cairo, Egypt.
- Feb.2010 – June.2011 **Contract Administrator/Project manager**  
Egyptian Consultants Group, Cairo Festival City, Cairo, Egypt.
- Dec. 2006 - Feb.2010 **Project Manager**  
Albarari Firm Management, Dubai, United Arab Emirates.
- April.2004 – Dec. 2006 **Production/Planning Engineer**  
Future Pipe Industries, Dubai, United Arab Emirates.
- Dec. 2002 - April.2004 **Project Engineer**  
National Gas, Cairo, Egypt.
- Jun.1999 - Dec.2002 **Construction Engineer**  
Aresco Asec, Cairo, Egypt.

### **EDUCATION AND CERTIFICATION**

Aug. 2014: Purdue University at Indiana, USA.

- Doctor of Philosophy in Civil Engineering (Construction Engineering and Management).
- Research Topic: Life Cycle Approach to Assess Impact of Sustainability Policies in Construction through Agent Based Modeling

Aug.2011: Edinburgh Business School, Heriot Watt University, Scotland.

- Master of Business Administration.

Aug.2008: Project Management Professional (PMP)

Feb.1999: The American University in Cairo (AUC), Cairo, Egypt.

- Bachelor of Science in Construction Engineering (Highest Honor)
- Major: Construction Engineering.

## TEACHING

### At Ball State University

CM 180: Construction Documents  
CM 261: Mechanical Construction  
CM 262: Electrical Construction  
CM 252: Building Diagnostics  
CM 350: Electrical and Mechanical Systems  
CM 365: Construction Safety  
CM 420 Construction Finance and Law

### At Purdue (Teaching Modules and Teaching Assistant)

CE 521: Construction Business Management  
CE 524: Legal Aspects in Construction (Contracts)  
CE 222: Life Cycle Engineering and Management of Constructed Facilities  
CE 597: Sustainable Building Design, Construction and Operation

## SCHOLARSHIP

### Sample Publications

1. Attallah, S.O., Breakah, T.M., Mitch, A. (2020). Comparative Analysis for Energy Performance of Various Skeleton Systems in The Midwest. *World Journal of Engineering Research and Technology*, 6(3), 166-177.
2. Angne Alfaro, S., Attallah, S.O. (2020). A Fresh Pairing Uniting Design and Construction. *Academic Exchange Quarterly*, 24(2).
3. Attallah, S.O., Mahfouz, T., Jones, J.W. (2019). Semantic Analysis to Identify Expected Competencies of Construction Management Graduates (pp. 191-196). *Associated Schools of Construction Proceedings of the 55th Annual International Conference*.
4. Attallah, S.O., Angne Alfaro, S., Fairfield, R.T. (2019). Construction Project Engineer - Career Exploration. *Journal of Career and Technical Education*, 7(2), 5.
5. Attallah, S.O., Gad, G., Zhang, Y. (2019). Modeling the Environmental Impact of Sustainability Policies in the Construction Industry using Agent Based Simulation and Life Cycle Analysis. *Journal of Urban Studies and Public Administration*, 2(3), 114-38.
6. Attallah, S.O., Davison, C.B., Lazaros, E.J., Fairfield, R. (2018). Home Energy Auditing. *Global Journal of Engineering Science and Research*, 5(12), 7. [www.gjesr.com/](http://www.gjesr.com/)
7. Davison, C.B., Attallah, S.O., Lazaros, E.J., Sharna, S. (2018). Four Classroom Traits of Successful Educators. *Academic Exchange Quarterly*, 22(4).

8. Oev, F., Attallah, S.O., Mahfouz, T. (2018). Virtual Reality Applications in the Construction Industry. *Journal of Applied Science*, 4(6), 24-30.
9. Attallah, S.O., Jones, J.W., Oev, F. (2018). Construction Scheduler - Career Exploration. *The Career and Technical Education*, 6(1), 5.
10. Davison, C.B., Attallah, S.O., \*Argyriou, E. (2018). Emotion Regulation and Internet Gaming Disorder. *Academic Exchange Quarterly*, 22(1).
11. Attallah, S.O., Davidson, C., Oev, F. (2017). Variable Frequency Drives in Residences. *International Journal of Latest Research in Engineering and Technology (IJLRET)*, 3(10), 1-4.
12. Attallah, S.O., Jones, J.W., Hilliker, A. (2017). Cost Estimator Career Exploration. *The Career and Technical Education*, 5(1), 2-6.
13. Attallah, S.O., Davison, C.B., Hassan, M. (2017). Parametric Analysis for Differential Effect of Comparable Approaches to Achieve Sustainability Rating credits using LCA. *International Journal of Recent Scientific Research*, 8(6), 17288-17292.
14. Attallah, S.O., Jones, J.W., Hilliker, A., Mahfouz, T. (2017). Thermal Imaging Applications in the Construction Industry. *Global Journal of Advanced Engineering Technologies and Sciences*, 4(4), 25-27.
15. Hilliker, A., Attallah, S.O., Jones, J.W., Mahfouz, T. (2017). Perception of Women Working in the Construction Industry. *International Journal of Current Trends in Engineering & Research (IJCTER)*, 3(3), 87-90.
16. Davison, C.B., Attallah, S.O., \*Argyriou, E. (2017). Internet Gaming Disorder Analysis. *Academic Exchange Quarterly*, 21(1).
17. Attallah, S.O., Kandil, A., Senouci, A., Alderham, H. (2017). Multi-Criteria Decision Making Methodology for Credit Selection in Building Sustainability Rating Systems. *Journal of Architectural Engineering (ASCE)*, 23(2), 04017004.
18. Mahfouz, T., Davlyatov, S., Jones, J.W., Attallah, S.O. (2017). A Guide to Smart City Development: Encouraging Cities Around the Globe to Foster Economic and Community Development. *International Journal of Current Trends in Engineering & Research (IJCTER)*, 2(12), 58-73.
19. Attallah, S.O., Lazaros, E., Wilson, C.D. (2016). Cement Mason Career Exploration. *The Career and Technical Education*, 4(2), 2-6.
20. Hassan, M.E., Attallah, S.O., Kandil, A. (2016). Sustainability Adoption in Growing Construction Markets: An Agent- Based Diffusion Mode. *International Journal of Engineering Research and Technology*, 5(8), 258265.
21. Khafizof, B., Attallah, S.O., Mahfouz, T., Jones, J.W. (2016). The Perception of Smart Home Technology in Residential Properties. *International Journal of Current Trends in Engineering & Technology*, 2(2), 310-316.
22. Abdelwarith, K., Attallah, S., Mansour, M., Kandil, A. (2016). Developing a Pseudo-Linear Regression Framework for Predicting Volume Of Work Of Construction Companies in Qatar. *International Journal of Engineering Research and Technology*, 05(04), 218-231.

23. Davlyatov, S., Mahfouz, T., Jones, J.W., Attallah, S.O. (2015). Susceptibility of a Smart Home to Intentional Electromagnetic Interference Attacks. *Journal of The International Association of Advanced Technology and Science (JIAATS)*, 1(12), 1-12.
24. Attallah, S.O., Khafizof, B., Jones, J.W., Mahfouz, T. (2015). Improving Envelope Thermal Insulation in Construction Projects Using Nanotechnology Applications. *International Journal of Research in Engineering and Technology*, 4(12).

### **Sample Conference Presentations**

1. Attallah, S. O., Warrner, J. A., Birk, G. R., "Energy Auditing for Residential Projects", 2019 ATMAE Conference, Association of Technology, Management, and Applied Engineering, Charlotte, NC, peer-reviewed/refereed, International. (November 7, 2019).
2. Warrner, J. A., Attallah, S. O., "Ready, Set, Learn!: Strategies to Engage Students in the Classroom", 2019 ATMAE Conference, Association of Technology, Management, and Applied Engineering, Charlotte, NC, peer-reviewed/refereed, International. (November 7, 2019).
3. Breakah, T. M., Attallah, S. O., Jones, J. W., Mahfouz, T., "Selecting an asphalt mix based on its environmental cost", 2019 ATMAE Conference, Association of Technology, Management, and Applied Engineering, Charlotte, NC, peer-reviewed/refereed, International. (November 7, 2019).
4. Attallah, S. O., Breakah, T. M., Fick, J. K., "Solar Pavement, Reality and Future", 2019 ATMAE Conference, Association of Technology, Management, and Applied Engineering, Charlotte, NC, peer-reviewed/refereed, International. (November 7, 2019).
5. Breakah, T. M., Attallah, S. O., Mahfouz, T., "Teaching Construction in Different Cultures", 2019 ATMAE Conference, Association of Technology, Management, and Applied Engineering, Charlotte, NC, peer-reviewed/refereed, International. (November 7, 2019).
6. Fick, J. K., Warrner, J. A., Attallah, S. O., "Applying students' knowledge to immersive learning", 2018 ATMAE Conference, Association of Technology, Management, and Applied Engineering, Kansas City, MO, peer-reviewed/refereed, International. (November 9, 2018).
7. Attallah, S. O., Mahfouz, T., Fick, J. K., "Energy Saving in Residential Forced-Air Systems using Variable", 2018 ATMAE Conference, Association of Technology, Management, and Applied Engineering, Kansas City, MO, peer-reviewed/refereed, International. (November 9, 2018).
8. Attallah, S. O., Warrner, J. A., Gasper, J., "Solar Start Project, an Immersive Learning and Community", 2018 ATMAE Conference, Association of Technology, Management, and Applied Engineering, Kansas City, MO, peer-reviewed/refereed, International. (November 9, 2018).
9. Warrner, J. A., Jones, J. W., Attallah, S. O., "Strategies for retaining women in male dominated disciplines: Successes and challenges", 2018 ATMAE Conference, Association of Technology, Management, and Applied Engineering, KANSAS CITY, MO, peer-reviewed/refereed, International. (November 8, 2018).
10. Attallah, S., Jones, J. W., Mahfouz, T., "Semantic Analysis to Identify Expected Competencies of Entry Level CM Graduates", 2018 ASC National Conference, Associated Schools of Construction (ASC), Minneapolis, MN, peer-reviewed/refereed, National. (April 19, 2018).

11. Warrner, J. A., Attallah, S. O., Mezo, M. E., "Perception of Women Working in the Construction Industry", 2017 ATMAE Conference, Association of Technology, Management, and Applied Engineering, Cincinnati, OH, peer-reviewed/refereed, International. (November 3, 2017).
12. Mahfouz, T., Jones, J. W., Attallah, S. O., "Challenges and lessons learned for smart city development: A guide to success", 2017 ATMAE Conference, Association of Technology, Management, and Applied Engineering, Cincinnati, OH, peer-reviewed/refereed, International. (November 2, 2017).
13. Attallah, S. O., Jones, J. W., Mahfouz, T., "Implementing a student-driven solar awareness project", 2017 ATMAE Conference, Association of Technology, Management, and Applied Engineering, Cincinnati, OH, peer-reviewed/refereed, International. (November 2, 2017).
14. Attallah, S. O., Mahfouz, T., Birk, G. R., "Thermal Imaging and Infrared Applications in the Construction Industry", 2017 ATMAE Conference, Association of Technology, Management, and Applied Engineering, Cincinnati, OH, peer-reviewed/refereed, International. (November 2, 2017).
15. Attallah, S. O., Birk, G. R., Wilson, C. D., "Cost Study of Nano-enabled Thermal Insulation in Construction Projects", ATMAE 2016, Association of Technology, Manufacturing and Applied Engineering, Orlando, FL, peer-reviewed/refereed, International. (November 4, 2016).
16. Attallah, S. O., Mahfouz, T., Fick, J. K., "Environmental Life Cycle Analysis of Timber Flooring versus Carpet in Residential Projects", ATMAE 2016, Association of Technology, Manufacturing and Applied Engineering, Orlando, FL, peer-reviewed/refereed, International. (November 3, 2016).
17. Mahfouz, T., Davlyatov, S., Attallah, S. O., "Analysis of Smart Home Susceptibility to Intentional Electromagnetic Interference Attacks", 2016 ATMAE Conference, Association of Technology, Management, and Applied Engineering, Association of Technology, Management, and Applied Engineering (ATMAE), Orlando, Florida, USA, peer-reviewed/refereed, International. (November 1, 2016).
18. Mahfouz, T., Jones, J. W., Warrner, J. A., Attallah, S. O., "Assessment of Trust's Impact on Bidding and Selection Processes in the Construction Industry", 2016 CRC Conference, The American Society of Civil Engineers, San Juan, PR, peer-reviewed/refereed, International. (June 1, 2016).
19. Attallah, S., Birk, G., Wilson, D., "Nanotechnology Applications for Thermal Insulation in Construction Projects", ATMAE 2015, Association of Technology, Manufacturing and Applied Engineering, Pittsburgh, PA, peer-reviewed/refereed, International. (November 13, 2015).
20. Mahfouz, T., Attallah, S. O., Mezo, M. E., "A Formal Analysis of Public Projects in the Construction Industry", 2015 ATMAE Conference, Association of Technology, Management, and Applied Engineering, Pittsburgh, PA, peer-reviewed/refereed, International. (November 12, 2015).
21. Mahfouz, T., Attallah, S. O., Mezo, M. E., "Changes in construction trends due to chaos: economical, social, technological, and legal analysis", 2015 ATMAE Conference, Association of Technology, Management, and Applied Engineering, Pittsburgh, PA, peer-reviewed/refereed, International. (November 12, 2015).
22. Jones, J. W., Mahfouz, T., Attallah, S. O., "Mentoring new faculty members in technology programs", 2015 ATMAE Conference, Association of Technology, Management, and Applied Engineering, Pittsburgh, PA, peer-reviewed/refereed, International. (November 12, 2015).

23. Attallah, S., Mahfouz, T., Fick, J., "Parametric Analysis for Sustainability Rating Systems using LCA", ATMAE 2015, Association of Technology, Manufacturing and Applied Engineering, Pittsburgh, PA, peer-reviewed/refereed, International. (November 12, 2015).
24. Attallah, S., "Using Life Cycle Analysis to Assess Sustainability Rating Systems", 2015 International Conference on Sustainable Development, Sustainable Development Solution Network - Global Initiative by The United Nations, New York, peer-reviewed/refereed, International. (September 23, 2015).
25. Attallah, S., "COMPARATIVE EVALUATION OF LEED AND QSAS CREDITS USING LIFE CYCLE ANALYSIS: CASE STUDY FROM QATAR", 5th International / 11th Construction Specialty Conference, Canadian Society of Civil Engineers, Vancouver, Canada, peer-reviewed/refereed. (June 9, 2015).
26. Attallah, S. O., Mahfouz, T., Jones, J. W., \*Perdue, T., \*Desmond, P., "Competencies of Construction Management Professionals in MEP Contracting Companies", ASEE Illinois-Indiana Section Conference, American Society of Engineering Education (ASEE), Indiana University Purdue University, Fort Wayne, Indiana, USA, peer-reviewed/refereed, Regional. (March 28, 2015).
27. Attallah, S. O., "Competencies of Construction Management Professionals in MEP Contracting Companies", IL-IN ASEE Section Conference 2015, American Society for Engineering Education (ASEE), Fort Wayne, peer-reviewed/refereed, Regional. (March 27, 2015).

## **Presentations and Invited Talks**

1. Attallah, S., Mansour, M. (2012) "Examining the Impact of Sustainability Policies on Qatar's Construction Sector" Invited Presentation to Qatar Sustainable Building Forum, Conference organized by Middle East Economic Digest (MEED), June 11-12, Doha, Qatar.
2. Several Presentations on completed projects during the bachelor degree in the American University in Cairo and Purdue University.

## **SAMPLE GRANTS**

- Agency: Aspen Institute  
Amount: \$524,457.00  
Status: Active Grant Account Number: A17-0371  
Starting and ending date: 2017 - 2019  
Principal investigator: Bradley-Levine, Jill  
Co-principal investigator(s): Fraser-Burgess, Sheron, Xu, Renmei, Attallah, Sherif Omar, Jarrett, Courtney, Malasalih, Safwan
- Agency: Mechanical Contractors Association of America  
Amount: \$7,500.00  
Starting and ending date: 2019 - 2020
- Agency: A C Equipment Representatives  
Amount: \$2,450.00  
Starting and ending date: 2018

- Agency: Sterling Boiler Mechanical, LLC  
Amount: \$3,759.00  
Status: Active Grant Account Number: 017-0288  
Starting and ending date: 2017 - 2018
- Agency: Johnson-Melloh Solutions, Inc.  
Amount: \$796.00  
Status: Active Grant Account Number: 017-0168  
Starting and ending date: 2016 - 2018
- Agency: Provost Immersive Learning Office  
Amount: \$7,673.00  
Status: Funded Grant Account Number:  
Starting and ending date: 2018
- Agency: Ball State University - Immersive Learning Mini-Grant  
Amount: \$860.00  
Starting and ending date: 2018  
Principal investigator: Collins, Thomas Daniel  
Co-principal investigator(s): Attallah, Sherif Omar, Mahfouz, Tarek, Grondzik, Walter
- Agency: College of Applied Science and Technology  
Amount: \$1,600.00  
Starting and ending date: 2017
- Agency: College of Applied Science and Technology  
Amount: \$2,000.00  
Starting and ending date: 2016

### **SAMPLE AWARDS**

#### Teaching

ASC Regional Teaching Award - Region 3 - 2017, Associated Schools of Construction (ASC), Regional. (April 20, 2017).

#### Scholarship

Editors Choice of A Journal Article, Academic Exchange Quarterly, National. (May 15, 2018).  
Best Poster Award, Associated Schools of Construction (ASC), National. (April 20, 2018).

### **SAMPLE STUDENT ACTIVITIES**

- Coach and Advisor for the MCAA student chapter
- Faculty Advisor for the NECA student team
- Coach for the ASC electrical competition student team

## INDUSTRY EXPERIENCE

2012 – 2013                      Al Ghanim International.                      Doha, Qatar  
*Proposals/Contracts Manager*

I have driven proposals process for Alghanim branch in Qatar with a high success rate followed by post contract management of the awarded projects.

- Securing bids for the company's new branch in Qatar through monitoring of project opportunities and liaising with business development.
- Successful preparation of technical and commercial tender submissions.
- Negotiation with prospective clients on submitted proposals.
- Issuance of Request for Quotations to suppliers and subcontractors.
- Contract Administration of awarded projects.
- Managing contract disputes, claim resolutions and change orders.
- Advising management of contractual rights and obligations and providing interpretations of terms and conditions.
- Management of subcontracts based on main contract's requirements.
- Monitoring of cost, funding, and payments on awarded contracts.
- Commercial management of contracts with sub-consultants, sub-contractors and suppliers.

2011 – 2012                      Turner Middle East.                      Cairo, Egypt  
*Senior Contracts Administrator*

Handling complete tendering processes starting from prequalification of consultants and contractors to Award of contracts.

- Preparation of RFP and RFT documents.
- Driving negotiation with candidate consultants and contractors.
- Coordination with the technical team to manage Value Engineering (VE) proposals.
- Evaluation of received proposals and issuance of tender analysis and recommendation.
- Developing sub-consultancy agreement and project contracts.
- Post Contract Administration for awarded packages.
- Management of claims, variation orders and the relevant change management procedures.
- Analysis of claims and driving dispute resolution.

2010 – 2011                      ECG (Engineering Consultants Group)                      Cairo, Egypt  
*Contract Administrator then Project Manager – Cairo Festival City*

I have managed all post-contract administration tasks for one of the land mark projects in New Cairo ensuring that contract terms and conditions are fulfilled.

- Managing contractual correspondence with client and contractors.
- Analysis of claims including requests for extension of time submitted by main contractor
- Managing change requests from the client and assessing their cost and time impact on contract.
- Issuance required engineer's instructions with required documentation.



- Chairing project meetings attended by contractors and client team and preparation of minutes to ensure proper documentation of agreements.
- Advising the technical team at site on the contractual impact of their comments, responses or discussions with the contractor to avoid unnecessary variations or claims.
- Coordination with the cost consultant to settle all commercial issues with contractors.
- Representing the developer's team in all project meetings with consultants and contractors.
- Ensuring that project budget is maintained throughout the execution period.
- Monitoring of progress to ensure project schedule is met.

2006 – 2010                      Al Barari Firm Management                      Dubai, UAE  
*Project Manager – Villa Package*

I was responsible for a 1.6-billion AED project to construct 350 luxurious villas.

- Monitoring of project cost through management of change requests and review and negotiation and of variations and claims submitted by contractors and consultants.
- Follow up on project schedule and mitigating any foreseen delays.
- Coordinating with other package managers to ensure full integrity of project elements.
- Liaising with developer customer service to implement end-user specific requirements.
- Assessment of suppliers and subcontractors to be chosen for direct nomination.
- Representing client in progress and technical meetings to discuss and resolve construction or commercial project issues.
- Managing hand-over procedures to end users including snag lists.

2004 – 2006                      Future Pipe Group                      Dubai, UAE  
*Planning / Production Engineer (In charge of Fittings Department)*

I was fully responsible for the GRP/GRE fittings production section leading more than 200 supervisors, formans, technicians and labors to achieve department targets.

- Responsible for the production scheduling with a group of 6 production planners.
- Coordinating with projects and planning departments to meet clients' requirement.
- Monitoring machines, crews' productivity and resource allocation
- Participating in developing products and improving quality through trials and testing.
- Placing orders for production related tools, accessories and equipments to relevant suppliers and follow up with purchasing departments for delivery requirements.
- Submitting monthly reports related to department's output, efficiency and product defects.
- Implementation of BAAN 5 ERP system to monitor work follow and generate reports.

2002 – 2004                      National Gas Company                      Cairo, Egypt  
 Project Engineer

- Preparation of proposals for projects involving natural gas application such as burners, gen-sets, and CNG stations.
- Supervision of operation works related to natural gas networks and house installations.
- Coordination with subcontractors and suppliers overseas for meeting projects' requirements.

1999 – 2002

ASEC (ARESCO)  
*Civil Engineer*

Cairo, Egypt

- Structural steel detailing through StruCAD and AutoCAD
- Issuance of production orders and fabrication drawings to the production section.
- Technical coordination between the mechanical designer (Danish company) and the structural designer (Swiss Company) in a 500-million LE Project (Construction of Sinai Cement Factory).
- Cost Estimation of operation costs for company's steel manufacturing plant and preparation of quotations for steel fabrication order.

### **SAMPLE SERVICES**

#### Department

- Committee Chair, Salary Committee. (August 2017 - Present).
- Committee Member, Student Scholarship & Awards. (August 2014 - August 2018).
- Committee Member, Search Committee. (August 2016 - April 2018).
- Committee Member, Equipment Replacement Committee. (August 2016 - May 2017).
- Committee Member, Diversity Plan Committee. (August 2014 - May 2017).
- Committee Member, Graduate Education Committee. (August 2014 - May 2017).

#### College

- Committee Member, College IT Committee, CMID Representative. (August 2019 - Present).
- Committee Member, College P&T Committee, CMID Representative. (August 2019 - Present).
- Committee Member, College Curriculum Committee, CM Representative. (December 2018 - Present).
- Committee Member, CAP 1st Year Curriculum Committee, CMID Representative. (November 2018 - Present).
- Committee Member, Diversity Plan Committee. (August 2016 - May 2017).
- Committee Member, CAST Tenure Track Advisory Committee. (September 2015 - May 2016).

#### University

- Committee Member, Undergraduate Education Committee. (August 2019 - Present).
- Committee Member, Online and Distance Education, CAP Representative. (August 2017 - Present).
- Committee Member, Research Committee. (August 2016 - Present).
- Committee Member, Council on the Environment (COTE). (January 2016 - May 2016).