

HIGHER EDUCATION

- Ph.D. University of Glasgow, 2013, (Architecture)
- M.Arch. University of Notre Dame, 1999 (Architecture);
 Certificate in Professional Practice and Management in Architecture, (RIBA III)
 University College London, 1998 (Architecture registration examinations, United Kingdom)
 Prince of Wales Institute of Architecture, (London), 1995-1996 (Architecture),
 opted to transfer to University of Notre Dame (USA)
- B.Arch. University of Nairobi, 1992 (Architecture)
- CEC University of Idaho, Integrated Design Lab 2013;(EnergyPlus and Radiance Training)
- CEC University of Miami, IESVE Atlanta; 2015; (IESVE Training)
- Certificate University of Miami, 2013; (Advanced Spanish)
- Certificate University of Miami, 2012; (Level 2 Spanish)
- Certificate Universidad de Costa Rica, 2004 (Level 2 Spanish)
- Licensed Architect UK [ARB 064536B], since 1998 and Kenya, [1229], since 1994

EXPERIENCE AND EMPLOYMENT

- **Academic**
- Associate Professor in Architecture, University of Notre Dame; USA, 2017
 Institutional Chair of Design, Miami International University of Art & Design, (CIDA Accreditation Preparation Contract, 2017)
 Assistant Professor & Director of Post Professional Programs in Architecture, University of Miami; USA, 2011-16
 Lecturer, Queens University Belfast, UK, 2008 - 2011
 PhD Researcher/ Teaching Assistant, Mackintosh School of Architecture, Glasgow School of Art, UK,
 2006 - 2009
 Lecturer, United Arab Emirates University; 2002 - 2006
- **Non-Academic**
 Senior Architect, Renfrewshire Council, UK; summer 2007; (Part-time) 2007 - 2008
 Vice President and Project Manager, Nile Inc. Environmental and Construction, Jonesboro, GA, USA, 2001 - 2002
 CAD Architect/ Project Manager, Yong Pak & Associates; Atlanta GA, USA, 2000 - 2001
 CAD Architect, Niles Bolton Associates, Atlanta, GA, USA, 1999 – 2000
 Michael Blash Architects, Ketchum, Idaho, USA, Summer and Winter 1998
 CAD Architect, Julian Bicknell and Associates, London; UK, 1996 - 1997
 Architect, Architerion Architects & Interior Designers, Nairobi, Kenya, 1994 - 1995
 Architect, Symbion International Architects & Interior Designers, Nairobi, Kenya, 1992 – 1994.
 Triad Architects Ltd, Nairobi, Kenya, Summer- 1990
 Shelter Systems International Architects & Project Managers, Nairobi, Kenya, Summer 1989
 Jami-Trident Architects, Nairobi Kenya, Summer- 1987, 1988
- **Military**
 N/A

PUBLICATIONS

- **Books and Monographs published:**

1. Hirota, E., H.; Formoso, C., T. & **Onyango, J.** (Eds.) "Mass Customization and Sustainability in Housing" [digital book], Londrina, PR, Brazil: ZEMCH Network; (2014); 334 pp.: ill. color; ePUB ISBN 978-0-9910608-1-8 doi: http://www.zemch.org/literary_references
2. **Onyango, J.**; Noguchi, H. & Firley, E. (Eds.) "Visibility of Zero-Energy Buildings" *e-Proceedings of the ZEMCH2013 International Conference*, Miami: ZEMCH Network; (2013); 267 pp. ISBN: 978-0-9910608-0-1; doi: http://www.zemch.org/literary_references

- **Juried or refereed journal articles and exhibitions:**

1. **Onyango, J.**; & Ciaran, R. "Study of user awareness to energy conservation measures in non-domestic buildings in Ireland" *Journal of Innovative Energy Policy*, Vol. (3) 112, (2014) <http://dx.doi.org/10.4172/2090-5009.1000112>
2. **Onyango, J.** McGeough, C., & Obonyo, E., O. "Waste to Worth: Evaluation of the potential of waste heat recovery technology, within the Commercial Kitchen Environment in Northern Ireland" *Journal of Green Building*, Vol. 7(4), (2012); pp. 62-69
3. **Onyango, J.** "Simulation of passive ground-cooling system for a room in hot humid climate" *WIT Transactions on Ecology and The Environment*, Vol. 160, (2012); pp. 257-267
4. Hadjri, K and **Onyango, J.** "Dubai Revisited: Are new planned communities more sustainable?" In *ICE Journal on Sustainable Urban Design and Planning*, Vol. 165(1); (2012); pp.1-11 (the journal is double blind peer reviewed by six person)
5. **Onyango, J.**, & Noguchi, M. "Changing attitudes of Community through the Design Charrette process"; *Neighbourhood-The International Journal of Neighbourhood Renewal*, Vol. 1(3) (May 2009); pp.19-30.

Other works, publications and abstracts:

- **Chapters in edited books**

1. **Onyango, J.**; Gang, W. & Brenna, J. "The effect of LEED certified residential buildings on household finances in Florida?" In Onyango, J.; Noguchi, H. & Firley, E. (Eds.) "Visibility of Zero-Energy Buildings" *e-Proceedings of the ZEMCH2013 International Conference*, Miami: ZEMCH Network; (2013); pp. 147-153. ISBN: 978-0-9910608-0-1. (chapter contribution)
2. **Onyango, J.**; Gang, W. & Benjamin, B. "Study of Design Studio Occupancy and Energy Consumption: University of Miami" In Onyango, J.; Noguchi, H. & Firley, E. (Eds.) "Visibility of Zero-Energy Buildings" *e-Proceedings of the ZEMCH2013 International Conference*, Miami: ZEMCH Network; (2013); pp. 172-182. ISBN: 978-0-9910608-0-1. (chapter contribution)
3. **Onyango, J.**; Gang, W. & Xuwen, X. "Climate change adaptive response retrofit strategy for buildings in hot humid-climates" In Onyango, J.; Noguchi, H. & Firley, E. (Eds.) "Visibility of Zero-Energy Buildings" *e-Proceedings of the ZEMCH2013 International Conference*,

-
- Miami: ZEMCH Network; (2013); pp. 110-123. ISBN: 978-0-9910608-0-1. (chapter contribution)
4. **Onyango, J.**; Gang, W. & Elena, R. "Analysis of energy use, indoor environmental comfort in three elementary schools in Miami " In Onyango, J.; Noguchi, H. & Firley, E. (Eds.) "Visibility of Zero-Energy Buildings" *e-Proceedings of the ZEMCH2013 International Conference*, Miami: ZEMCH Network; (2013); pp. 182-. ISBN: 978-0-9910608-0-1. (chapter contribution)
 5. **Onyango, J.**; & Tafera, H. "Examination of the effect of living walls on energy and indoor environment in hot humid climate" In Onyango, J.; Noguchi, H. & Firley, E. (Eds.) "Visibility of Zero-Energy Buildings" *e-Proceedings of the ZEMCH2013 International Conference*, Miami: ZEMCH Network; (2013); pp. 203-208. ISBN: 978-0-9910608-0-1. (chapter contribution)
 6. **Onyango, J.**; Brillhart, J.; Brillhart, M. & Stout, J. "Comparison between simulated and measured energy and indoor environment of a modern building in hot humid climate" In Onyango, J.; Noguchi, H. & Firley, E. (Eds.) "Visibility of Zero-Energy Buildings" *e-Proceedings of the ZEMCH2013 International Conference*, Miami: ZEMCH Network; (2013); pp. 190-. ISBN: 978-0-9910608-0-1. (chapter contribution)
 7. **Onyango, J.** & Obonyo, E. A. "Does an urban design laboratory process contribute to construction of assets that responds to social needs?" In Kajewski, S.; Manley, K. & Hampson, K. (Eds.), *Proceedings of the 19th International CIB World Building Congress*, Brisbane: Queensland University of Technology; (2013); pp. 409-421. ISBN: 978-0-9875542-1-5. (chapter contribution)
 8. Obonyo, E. A. Wu, W. & **Onyango, J.** "Sea Level Rise and Smart Historic Coastal Communities: Lessons from Savannah, GA and St. Augustine, FL". In Kajewski, S.; Manley, K. & Hampson, K. (Eds.), *Proceedings of the 19th International CIB World Building Congress*, Brisbane: Queensland University of Technology; (2013); pp. 438-449. ISBN: 978-0-9875542-1-5(chapter contribution)
 9. **Onyango, J.** "Simulation of passive ground-cooling system for a room in hot humid climate," In *Design and Nature IV: Comparing Design in Nature with Science and Engineering*, ed. Hernandez, S. and Brebbia, C., A., Ashurst Lodge, Ashurst, Southampton; Boston, MA: WIT Press; (2012); pp. 257-267 (chapter contribution)
 10. Onyango, J. & Hadjri, K. "The impact of the design Charrette in the process of creation of sustainable Community: The case of Tornagrain". In *Sustainability in Practice From Local to Global: Making a Difference*, ed. Corrigan, N., Sayce, S., & Taylor, R.; Kingston Upon Thames: Kingston University Press, (2009); pp.131-142, (chapter contribution).

Peer reviewed conference presentations:

1. **Onyango, J.**; Gang, W. & Brenna, J. "The effect of LEED certified residential buildings on household finances in Florida? " presented at the *ZEMCH2013 International Conference*, 30th October -1st November, 2013, Coral Gable, FL, USA (2013)

2. **Onyango, J.**; Gang, W. & Benjamin, B. "Study of Design Studio Occupancy and Energy Consumption: University of Miami " presented at the *ZEMCH2013 International Conference*, 30th October -1st November, 2013, Coral Gable, FL, USA (2013)
3. **Onyango, J.**; Gang, W. & Xuwen, X. "Climate change adaptive response retrofit strategy for buildings in hot humid-climates " presented at the *ZEMCH2013 International Conference*, 30th October -1st November, 2013, Coral Gable, FL, USA (2013)
4. **Onyango, J.**; Gang, W. & Elena, R. "Analysis of energy use, indoor environmental comfort in three elementary schools in Miami " presented at the *ZEMCH2013 International Conference*, 30th October -1st November, 2013, Coral Gable, FL, USA (2013)
5. **Onyango, J.**; & Tafera, H. "Examination of the effect of living walls on energy and indoor environment in hot humid climate" presented at the *ZEMCH2013 International Conference*, 30th October -1st November, 2013, Coral Gable, FL, USA (2013)
6. **Onyango, J.**; Brillhart, J.; Brillhart, M. & Stout, J. "Comparison between simulated and measured energy and indoor environment of a modern building in hot humid climate " presented at the *ZEMCH2013 International Conference*, 30th October -1st November, 2013, Coral Gable, FL, USA (2013)
7. **Onyango, J.** & Obonyo, E. A. "Does an urban design laboratory process contribute to construction of assets that responds to social needs? " presented at the *CIB World Building Congress 2013: Built Environment Research Focused on Social Outcomes*, 5-9th May 2013, Brisbane, Queensland, Australia. (2013),
8. Obonyo, E. A.; Wu, W. & **Onyango, J.** "Sea Level Rise and Smart Historic Coastal Communities: Lessons from Savannah, GA and St. Augustine, FL" presented at the *CIB World Building Congress 2013: Built Environment Research Focused on Social Outcomes*, 5-9th May 2013, Brisbane, Queensland, Australia. (2013)
9. **Onyango, J.** "The Effectiveness of ground-coupled cooling system in Hot Humid Climate" presented at the *ZEMCH 12 International Conference*; August, 20-24th 2012 in Glasgow, Scotland; (2012) ISBN: 978-0-9574189-0-5
10. **Onyango, J.** "Simulation of passive ground-cooling system for a room in hot humid climate" presented at the *Sixth International Conference on Relating Design in Nature with Science and Engineering*, June 11-13th 2012 in A Coruna, Spain. (<http://www.wessex.ac.uk/12-conferences/designandnature-2012.html>); (2012)
11. **Onyango, J.**; Bingying, L. & Meng, X. "A comparative study of the how small-medium size enterprises (SMEs) in China and UK establish and maintain supply chain management relationship" presented at the *Third International Conference on Construction in developing Countries*, July 4-6th 2012 in Bangkok, Thailand. (<http://www.iccidc.ecu.edu/index.html>); (2012)

-
12. **Onyango, J.**; McGeough, C. & Hadjri, K. "Waste to Worth: Evaluation of the potential of waste heat recovery technology, within the Commercial Kitchen Environment in Northern Ireland" presented at the *Third International Conference on Construction in developing Countries*, July 4-6th 2012 in Bangkok, Thailand. (<http://www.iccidc.ecu.edu/index.html>); (2012)
 13. **Onyango, J.**; Agrawal, A. & Qin, M. "Building performance evaluation: The case of McClay Library", paper presented at the *4th International Conference on Built Environment in Developing Countries*, (ICBEDC) 1st -2nd December 2010, Penang, Malaysia; (2010)
 14. **Onyango, J.**; Barr, E. & Noguchi, M. "A Charrette experience in collating the Scottish industry's response to Canadian low Energy Affordable Housing through housing design", paper presented at the *Renewable Energy 2010 International Conference*, 30th June -2nd July, Yokohama, Japan; (2010)

Invited Presentations/ seminars:

1. **Onyango, J.** "Climate Change and the Built Environment: Teaching how to Design with nature as adaptive strategy against impacts of heat waves" presented at the Workshop on Climate Change & the Built Environment at the School of Environmental Design, University of Colorado, 22th -27th February 2016, Boulder (2016)
2. **Onyango, J.** "Net-Zero Housing Design: A Case Study Analysis" presented at the Symposium on Sustainable and Resilient Practices for South Florida", 19th November 2015, Cutler Bay, FL USA (2015)
3. **Onyango, J.** "A discourse on the architectural education of the future" presented at the School of Architecture, University of Reading, 21st December 2015, [Online Presentation] (2015)
4. **Onyango, J.** "Research, Impact and Community Engagement: Building Relationships Between University and the City" presented at the School of Architecture, University of Portsmouth, 21st August 2015, Portsmouth, England (UK) (2015)
5. **Onyango, J.** "Climate change adaptation that support comfort of older people in care home environments" presented at the School of Architecture, University of Queensland, 14th February 2015, St Lucie, Brisbane, Australia (2015)
6. **Onyango, J.** "Climate change and the Built Environment: Designing with nature as adaptive strategy against impacts of heat waves" presented at the School of Interior Architecture and Environmental Design, Bilkent University, 22nd May 2014, Bilkent, Ankara (2014)
7. **Onyango, J.** "A Charrette Experience in Collating the Scottish Construction Industry's Response to Canadian Low Energy Affordable Housing Design Strategies" presented at the School of Architecture, University of Miami, 2012, Coral Gables, Miami (2012)

- **Other works In Review for publication:**

Papers in Review (4 papers)

1. **Onyango, J., & Agrawal, A.** forthcoming). "Building performance evaluation: The case of McClay Library", In *Facilities*, Vol. (A) B; (In Review)
2. **Onyango, J.; & Hadjri, K.** (forthcoming). "The Innovative adaptive Social and Cultural Life in the City Centre: The study of Nairobi," *Enquiry*, Vol. (A) B; (In Review)
3. **Onyango, J., Barr, E. & Noguchi, M.** (forthcoming) "A Charrette experience in collating the Scottish industry's response to Canadian low Energy Affordable Housing through housing design", *International Journal of Building and Environment*, Vol. (A) B; (In Review)
4. **Onyango, J.; Li, B. & Meng, X.** (forthcoming) "A comparative study of the how small-medium size enterprises (SMEs) in China and UK establish and maintain supply chain management relationship" *Journal of Engineering, Construction and Architectural Management*, Vol. (A) B; (In Review)

In progress (8 papers, and 2 books 2 book Chapters)

1. Onyango, J., Guillermo, C. & Morales, C., N. (forthcoming) "Comparative study of conventional steel and GFRP reinforcement on the design of bridge deck based on life cycle assessment" *Environmental Impact Assessment Review*, Vol. A(B)
2. Onyango, J. & Al-Thobaiti, M. (forthcoming) "The Effect of Dynamic Responsive Blinds on Energy and *Indoor and Built Environment*, Vol. A(B)
3. Onyango, J. (forthcoming) "Low-Carbon Design Handbook for Students", Routledge
4. Onyango, J. O. (forthcoming). *Urban Design Laboratories: Methodologies and practices in USA and Europe*, Intellect: Bristol (UK). Manuscript being edited and updated
5. Obonyo, E. A. & Onyango, J. (forthcoming) "Integrating Energy Efficiency with Functional Resilience for Climate Change-Responsiveness: A Case Study Assessment of Earthen Masonry Residential Buildings" *Journal of Sustainability*, Vol. A(B)
6. Onyango, J.; & Tafera, H. (forthcoming) "Examination of the effect of living walls on energy and indoor environment in hot humid climate" *Journal of Sustainability*, Vol. A(B)

- **PROFESSIONAL**

Funded Research:

1. Chao, S. (PI); Correa, J. (CoPI); Onyango, J. (CoPI); Mont, M. (CoPI); Montero, A. (CoPI); & Frett, S (CoPI). 2013, "Haiti: Developing Sustainable Traditions & Innovations in Architecture and Urbanism for the Region, Towns and the Rural Villages of Akayè (Arcahaie). Learning from the Past. Forging the Future. Empowering the Population" Funded by Barr Foundation jointly with the WK Kellogg Foundation. June 2013-November 2014. Project Value: **\$240,744 and \$150,000 respectively**

-
2. Onyango, J. (PI) 2012-13, "Book and Journal Publications Grant", Provost Research Award, University of Miami, Provost's Office. **Project Value \$10,500**
 3. Onyango, J. (PI) 2012, "Sandpit on ageing and comfort", Scientist & Engineers Expanding Diversity & Success, SEEDS "You Choose" grant, funded by the National Science Foundation (NSF) and the University of Miami, Provost's Office. **Project Value \$2,680**
 4. Onyango, J. (PI) 2011, "Application of ICT in improvement of the teaching of Building Technology Courses", Faculty Learning Community on Information and Communication Technology (ICT) Literacy, FLC grant from the Executive Office of the Vice Provost, University of Miami, **Project Value \$1,500**
 5. Onyango, J. (PI) 2006-2011, "*BECOMING PLACE: Analysis of impacts of urban laboratories on places making in western tradition of urban design,*" Overseas Research Student Award Scheme, (ORSAS) May 2006-submitted March 2011, passed viva July 2011. **Project value \$115,700 (stipend, fees and research activities).**
 6. Onyango, J. (PI), Agrawal, A. (CI) & Qin, M. (CI) 2010. "Building performance evaluation: The case of McClay Library", **Project value \$3,200.**
 7. Onyango, J (PI) & Mackie, D. (CoPI) 2006-2007, "The relative merits of the Charrette process to future Community Engagement in Scotland: The case of Tornagrain Settlement in the Highlands", Consultancy for Turnberry Consultants on behalf of Moray Estate Development Company and Scottish Executive. In progress since September 2006, completed in January 2007. **Project value \$16,000.**
 8. Khiati S. (PI) & Onyango, J. (CI) 2006-2007. "Malls vs. Suqs: The future of the UAE City Centres; the Case of Al-Ain UAE, using Space Syntax" University Research funding award, completed in February 2007. Statistical analysis and literature review. **Project value \$5,440.**
 9. Haggag, M. (PI), Hadjri, K. (PI) & Onyango, J. (Co.PI) 2002-2003, "The Planning and Transformation of Urban Residential Patterns: The Case of Al-Ain, UAE" University research funding award. Completed in January 2003. I did the literature review and statistical analysis of data. **Project value \$5,440.**

In progress/ Pending (3 in next 12 months)

1. Grichting, A. (LPI Qatar University); **Onyango, J (PI University of Notre Dame)** & Celik, N. (CoPI University of Miami) "Doha & Miami: Comparative Baseline Energy Use Data Using Biomimetic Epidemiology (BIOEPIDEM)" to be submitted to the Qatar National Research Fund (QNRF) 10th Cycle National Priorities Research Program (NPRP). **Full proposal to be submitted October-November, 2017 window; Project Bid Value \$ 898,008**
2. **Onyango, J. (PI, University of Notre Dame)**; Obonyo, E., O., (CoPI, Penn State University); & Wu, W. (CoPI, Fresno State University); "Towards A Flexible Decision-Making Framework for Sustainable and Climate Change-Responsive Adaption Planning at Neighborhood and Building level" to be submitted for the National Science Foundation

grants as under “Grant Opportunities for Academic Liaison with Industry (GOALI)” Program. **Full proposal to be submitted February, 2018; Project Bid Value \$360,000**

3. **Onyango, J. (PI)** [University of Notre Dame]; Hadjri, K. (CoPI) [University of Sheffield, UK] & Dooris, M. (CoPI) [University of Central Lancashire, UK]. “The influence of the physical environment and living arrangements on mobility and independence of the oldest old” to the National Institute for Health, NIH. **Project Bid Value \$803,170 (under revision to be submitted to NSF/ ESRC in June 2018)**

- **Editorial Responsibilities**

Member Board of Editors: *Journal of Innovative Energy Policies, (IEP)*
 Reviewer, *Journal of Facilities Management*;
 Reviewer, *International Journal of Green Energy*;
 Reviewer, *International Journal of Engineering, Construction and Architectural Management*;
 Reviewer, *Journal of Green Buildings*;
 Reviewer, *Journal of Building & Environment*;
 Reviewer, *Journal of Architectural Science Review*;
 Reviewer, *Journal Energy and Buildings*;
 Reviewer, *Journal of Open House International*;
 Reviewer, *International Journal of Sustainability in Higher Education*;
 Reviewer, *International Journal of Sustainability*;
 Associate Editor: Special Edition of *The International Journal of Environmental, Cultural, Economic and Social Sustainability*,

- **Professional and Honorary Organizations**

Professional member of International Society to Advance Alzheimer's Research and Treatment (ISTAART)

Passed RIBA III exams (1998), registered as an architect in the UK and eligible for registration in all European Economic Community (EEC) member states, and all countries of the British Commonwealth (Canada, Australia, New Zealand, etc.) through reciprocity;

Great Britain Architects Registration Board (ARB) 064536B since 1998 -
 Registered architect in the United Kingdom, Kenya and eligible for registration through reciprocity in Tanzania, Uganda and all other East African Community member states since 1994 -

- **Honours and Awards**

Shortlisted for Stage 2 of the Brighton & Hove City Council’s New Homes for Neighborhoods RIBA Design Competitions April 2015 (submission July 17th 2015). The design competition is intended to set a development precedent, with the potential for further program rollout in the future. As a guide, the construction cost of each residential unit should be in the region of £150,000 or £1,700 per sq. m. The competition presented an ideal opportunity for SME's generally, as well as practices based in the Brighton and Hove area, to showcase their design skills.

Nominated as one of the 5 finalists for the Polished Red Apple Award Faculty Member of the Year by the Association of Greek Letter Organizations (ALGO), University of Miami, 2015.

PhD Overseas Research Student Award Scheme, (ORSAS) Studentship (2007-2009) at the Mackintosh School of Architecture, Glasgow School of Art, University of Glasgow

Placed in top 20 out of 300 entries in an international competition to design a 150,000 sq. ft. laboratory building (NEW ENGLAND BIOLABS) with parking for 400 cars in Ipswich, Massachusetts, USA April, 2001 (I was ahead of large firms such as ARUPS)

Green Homes for Chicago, design of row house that promotes the use of sustainable materials and environment, August 2000.

Fergusson Shermamian and Rattner award for the best graduate thesis project, University of Notre Dame, Indiana, USA, May 1999.

Bond-Montendinico Scholarship. Master of Architecture University of Notre Dame, Indiana, USA, August 1997- May 1999.

Kenya Government Scholarship. Bachelor of Architecture degree at the University of Nairobi, September 1986- June 1991.

Third prize in the World Habitat Day competition for the design of adaptable housing unit for the low income in Nairobi, Kenya, October 1991.

- **Post-Doctoral Fellowships**

None

- **Other Professional Activities**

1. Conference Joint Coordinator, for the 2015 Symposium on Sustainable and Resilient Practices for South Florida to be held at Cutler Bay High School, Cutler Bay, FL on November 19th
2. Panelist Reviewer NSF Graduate Research Fellowship Program- Directorate for Engineering, 2014-15
3. Conference Technical Co-Chair for the 2014 ZEMCH International Conference to be held in Londrina, Brazil, from 4th to 6th June 2014
<http://www.paisagemetnografica.com.br/zemch.html>
4. Conference Coordinator, for the 2013 ZEMCH International Conference held at University of Miami, October 30th to November 1st 2013 <http://arc.miami.edu/ZEMCH2013/>
5. Invited to blind peer review 3 papers for the 102nd ACCSA Annual Meeting “*GLOBALIZING ARCHITECTURE: Flows and Disruptions*”, to be held in April 10-12, 2014, Miami Beach, FL, USA

-
6. Invited to blind peer review 3 papers for the 2014 Construction Research Congress, to be held in May 19-21, 2014 at Georgia Institute of Technology, Atlanta, GA, USA
 7. Invited to blind peer review 3 papers for the Third International Conference on Construction in developing Countries, ICCDC, held on July 4-6th 2012 in Bangkok, Thailand
 8. Invited to jury an International Architectural Design Competition for 2014 African Union Assembly Meeting Conference Center, Gabon, by the *Presidence de la Republique Gabonaise* through *Agence Nationale Des Grands Travaux*, July 9th to 15th 2012, (I was the only academic out of the 7 members with diverse backgrounds from Gabon, USA, Serbia, and the United Kingdom).
 9. Invited to become a member of the Zero-Energy Mass Custom Homes, Network, (ZEMCH) that aims to enhance industry-academia collaborations to tackle issues around the delivery of socially, economically and environmentally sustainable homes in developed and developing countries, (<http://www.zemch.org/>); currently consists of 18 academic institutions and housing bodies from Americas; Asia; and Europe.
 10. Invited to membership of Organizing Committee of ZEMCH 2012 International Conference; August, 20-24th 2012 in Glasgow, Scotland (one of 19 members who review all conference papers submitted)
 11. Invited to blind peer review of 6 abstracts and papers submitted to the ZEMCH 12 Conference (<http://www.zemch.org/conference2012/index.html>)
 12. Invited to blind peer review of 12 abstracts and papers submitted to the Architectural Humanities Research Association Conference: Peripheries 2011; 27-29 October 2011, in Belfast, Northern Ireland, (<http://www.ahra-architecture.org/>)

Creative Practices (since 1988)

1. 2016: Working on addition and modification to Pedraza's Residence in Miami KJH Architects, Miami, FL. and Marietta, GA. October 2015-ongoing, \$225,000.
2. 2015: Working on the Passive design of Cafeteria addition at Greater Miami Adventist Academy (GMAA). KJH Architects, Miami, FL. and Marietta, GA. April 2015-ongoing, \$350,000.
3. 2015: Working on design of Passive 2 bedroom residence for Ebenezer SDA Church. KJH Architects, Miami, FL. and Marietta, GA. February 2015-ongoing, \$170,000.
4. 2013: Parking layouts for Ebenezer SDA Church, Miami, FL. David Trautman Architects, Miami, FL. and Marietta, GA. Complete Pro-Bono work
5. 2010: Design of 3-bedroom house in Northern Ireland. Completed £150,000.
6. 2008: Additions, modifications and upgrade to St. Peter's Primary School, Paisley, Investments & Technical Services, Renfrewshire Council. I was the senior architect in charge of the project. Complete. £2.8 million

-
7. 2007-8: Additions, modifications and upgrade to Renfrew High School, Paisley, Investments & Technical Services, Renfrewshire Council. I was the senior architect on the project. Complete £4.0 million
 8. 2007-8: Design of new 8-bedroom respite housing for young adults with Asperger's Syndrome, Paisley, Investments & Technical Services, Renfrewshire Council. I was the senior Architect on the project. Complete £2.0 million.
 9. 2008: Conceptual redevelopment of the Glasgow SDA Church property to include larger sanctuary and 4 rental flats.
 10. 2008: Addition to Mr & Mrs Clifford Herman's Residence, Hamilton, Scotland. Complete £25,000.
 11. 2007: Schematic design of a 120 bed 5-star resort in Banjul, the Gambia.
 12. 2006: Design of 1 bedroom courtyard housing with majlis in Al Ain, UAE. Complete \$50,000.
 13. 2002-3: Design and construction of 4-bedroom home for Ms Shemeka Bruton in Mebleton, GA, USA. \$210,000.
 14. Schematic Design for mixed-use development comprising 24 (1, 2 & 3 bedroom) apartments over a supermarket, Flat Shoals Road, Atlanta, GA.
 15. Schematic Design for addition and modification to a Credit Union (Bank) Branch on Metropolitan Parkways and Ralph Abbernathy Blvd, Atlanta, GA.
 16. 2002: Addition to residence on Anjaco Road Atlanta. Complete. \$110,000.
 17. 2002: Addition, modification and construction to Residence on 1026 Drewry St, Atlanta, GA. Complete. \$170,000
 18. 2002: Addition to Mr. & Mrs. Smith Residence, Collier Dr. Atlanta, GA. Complete \$40,000.
 19. 2001-2: Design and Construction of 3-bedroom Residence with double garage, 3875 Bakers Ferry Road, Atlanta, GA. Complete. \$175,000.
 20. 2001-2: Addition and modification to residence in Morningside, Atlanta, GA. Complete \$200,000
 21. 2001: Design of 12,000 Sq. Ft. residence for Rodney Cook Senior, Hilton Head, SC. Complete. \$1.8 million
 22. 2001: Watercolour rendering for Peachtree Road Townhouses, Atlanta. Peter Block Architects.

23. 2000-1: Design of 25,000 sq. ft. Davis Residence in Atlanta, GA Yong Park Associates. Complete. \$10.0 million
24. 2000-1: Renovation and addition to Harrison Residence of 12,000 sq. ft, Buckhead, Atlanta, GA. Yong Park Associates. Complete \$7.5 million.
25. Design of The Reserve at Dexter Lake Drive, Cordova, TN (4 storey apartment buildings). Niles Bolton Associates, Atlanta, GA. Complete
26. 2000: Design of Hillside @ Lennox (64 units of mixture of 1, 2, 3 bedroom apartment) on 3275 Lennox Road, Atlanta, GA. Niles Bolton Associates. Complete
27. 2000: Design of Session Street Lofts for R.L. Dougherty & Associates comprising 80 units, 3 story apartments over parking garage, Marietta, GA, Niles Bolton Associates. Complete.
28. 1999-2000: Design of 2500 Peachtree Road, Atlanta, GA. Niles Bolton Associates. Complete
29. 1999: Design of 15 (5 and 10 bedroom) Fraternity Student's Housing, Mercer University, Macon, GA. Niles Bolton Associates. Complete.
30. 1999-2000. Design of Kensington Gardens (32 storey high end apartment) Peachtree Road, Atlanta, GA. Niles Bolton Associates. Stopped at detailed design.
31. 1996-7: Redcliffe Gardens- Design of 10 new 3 bedroom townhouses and conversion of old schoolhouse into 2 town houses. Julian Bicknell Associates, Cheswick, London, UK. Complete. £4.0 million
32. 1996-7: Remodeling of flat, Knightsbridge, London, UK. Julian Bicknell Associates. Complete. £150,000.
33. 1997: Proposal for UK Ambassador's Chancellery in Moscow, Julian Bicknell Associates.
34. 1996. Remodeling of Hunterian Museum, Royal College of Surgeons London, UK. Julian Bicknell Associates. Complete.
35. 1996. Proposal for Bodium Castle, USA. Julian Bicknell Associates.
36. 1996. Knights' Castle, Kiso-Sansen National Park, Nagoya, Japan, Julian Bicknell Associates.
37. English Country Park, Rokko Mountain, Osaka, Japan, The refurbishment of a recreational park for Hanshin Railway Co. Julian Bicknell Associates in collaboration with Derek Lovejoy Partnership and Border Oak. Complete
38. 1996-7: Amamoto Dream Park, Takarazuka, Osaka, Japan. Garden exhibition and administration complex designed in collaboration with Derek Lovejoy Partnership and Border Oak Ltd.

39. 1996: Detailed Design of Gonville and Caius College, University of Cambridge-John Simpson Architects, London, UK. Complete.
40. 1995: Design of 1500 sq. ft. Cottage for Mr Peter Owora in Siaya, Kenya: PJ Practice, Nairobi Kenya. Complete
41. 1995: Development of 3 townhouses for Mr. Dan Kimoro on LR 209/10763 Nairobi, Kenya. PJ Practice, Nairobi, Kenya. Complete.
42. 1995: Addition and renovation to Existing 3-bedroom townhouse on LR209/227, Juja Road, Nairobi, Kenya. PJ Practice, Nairobi, Kenya. Complete.
43. 1995: Design of Karen House for Ms. Eunice Mlagui, PJ Practice, Nairobi, Kenya. Complete.
44. 1995: Design of 29,500 sq. ft. Kehancha House (mixed used development comprising 24 2-bedroom apartments over retail) for Hon. Eng. Peter Manga, Kehancha Kenya. Complete
45. 1995: Refurbishment of Offices for GlaxoSmithKline Limited, Likoni Road Nairobi, Kenya. Architerion Architects & Interior Designers, Nairobi. Complete
46. 1995: Interior design for Belladonna Pharmacy, Village Market Nairobi. Architerion Architects & Interior Designers, Nairobi. Complete
47. 1995. Interior design for Buttons & Bows, Village Market, Nairobi. Architerion Architects & Interior Designers, Nairobi. Complete
48. 1995: Interior Design for Candy shop, Village Market, Nairobi. Architerion Architects & Interior Designers, Nairobi. Complete
49. 1994-5: Interior Design for Toy World, Village Market, Nairobi. Architerion Architects & Interior Designers, Nairobi. Complete
50. Interior Design of Book store, Village Market, Nairobi. Architerion Architects & Interior Designers, Nairobi. Complete
51. 1994-5: Design of 10,000 sq. ft. Residence in Runda, Nairobi. Architerion Architects & Interior Designers, Nairobi. Complete
52. 1994: Addition and refurbishment to residence in Kileleshwa, Nairobi Kenya. Architerion Architects & Interior Designers, Nairobi. Complete
53. 1994: Design of Arboville Apartment Complex on Arboretum Drive, Nairobi Kenya. Architerion Architects & Interior Designers, Nairobi. Complete
54. 1994: Design of 8 townhouses on Nyangumi Road, Nairobi, Kenya. Architerion Architects & Interior Designers, Nairobi. Complete.

55. 1994: Design of 2 Maisonette in Daraja Mbili, Kisii, Kenya. PJ Practice. Complete.
56. 1994: Scheme Design of new Sanctuary for Anglican Church of Kenya, Syongila-Kitui stage, Kibwezi - Kitui Rd, PJ Practice.
57. 1994: Scheme Design of new Boarding School for Anglican Church of Kenya, Syongila-Kitui stage, Kibwezi - Kitui Rd, PJ Practice.
58. 1994: Scheme Design of new Health Clinic Anglican Church of Kenya, Syongila-Kitui stage, Kibwezi - Kitui Rd, PJ Practice. Complete.
59. 1993-4: Design and construction of new Potting Sheds for National Museums of Kenya, Nairobi (British Overseas Development funded project), PJ Practice. Complete
60. 1993-4: Modification and upgrade to Sarova Hotel (New Stanley), Nairobi Kenya. Symbion International Architects and Interior Designers, Nairobi, Kenya. Complete
61. 1993-4: Upgrades to Nairobi Serana Hotel, Kenya. Symbion International Architects and Interior Designers, Nairobi, Kenya. Complete
62. 1993: Design of additions to Nairobi Hospital, Kenya. Mombasa, Kenya. Symbion International Architects and Interior Designers, Nairobi, Kenya. Complete.
63. Addition and modifications to House on LR94/130 Nairobi, PJ Practice. Complete.
64. Addition and modifications to Dr. Ayiemba's Residence Buru Buru Phase V, Nairobi, PJ Practice. Complete.
65. 1992-4: Design of Ngorongoro Serana Lodge for TPS Group, Symbion International Architects and Interior Designers, Nairobi, Kenya. Complete. \$12.1 Million
66. 1992-4: Design of Serana Manyara Lodge for TPS Group, Symbion International Architects and Interior Designers, Nairobi, Kenya. Complete. \$8.4 Million
67. 1992-4: Design of Kirawira Luxury Camps for TPS Group, Symbion International Architects and Interior Designers, Nairobi, Kenya. Complete. \$5.3 Million
68. 1992-4: Design of Serana Central Serengeti Lodge for TPS Group, Symbion International Architects and Interior Designers, Nairobi, Kenya. Complete. \$8.4 Million
69. 1992: Additions to Mater Hospital, Nairobi. Symbion International Architects and Interior Designers, Nairobi, Kenya. Complete. \$1.2 Million
70. 1992: New Operating Theatre at Aga Khan Hospital Nairobi. Symbion International Architects and Interior Designers, Nairobi, Kenya. Complete.
71. 1992. Design of New Hotel in Diani Beach, Mombasa. Symbion International Architects and Interior Designers, Nairobi, Kenya. Complete.

72. 1992. Design of Barclays Bank Branch building, Webuye, Kenya. Symbion International Architects and Interior Designers, Nairobi, Kenya. Complete.
73. 1992: Design of Barclays Bank Branch building, Karen, Kenya. Symbion International Architects and Interior Designers, Nairobi, Kenya. Complete.
74. 1992: Design of Barclays Bank Branch Building, Kisii, Kenya. Symbion International Architects and Interior Designers, Nairobi, Kenya. Complete.
75. 1992: Interior Design fit out to Barclays Bank, Hurlingham Branch. Symbion International Architects and Interior Designers, Nairobi, Kenya. Complete.
76. 1992: Interior design and refurbishment to Kenya Commercial Bank, Mombasa Branch, Kenya. Symbion International Architects and Interior Designers, Nairobi, Kenya. Complete.
77. 1992: Design of Changamwe Industrial Estates (Export processing zone), Mombasa, Kenya. Symbion International Architects and Interior Designers, Nairobi, Kenya. Complete.
78. 1992: Design of Kwanjovu Industrial Estate. (Export processing zone), Mombasa, Kenya. Symbion International Architects and Interior Designers, Nairobi, Kenya. Complete.
79. 1992: Design of Nicholas Kiwi Factory, Limuru, Kenya. Symbion International Architects and Interior Designers, Nairobi, Kenya. Complete.
80. 1991: Design of 3-bedroom Cottage for Mr. & Mrs. Patrick Agutu, Slaya, Kenya. PJ Practice. Complete.
81. 1990: Design of Mpata Safari Lodge. Triad Architects & Edward Suzuki & Associates. Complete.
82. 1990: Design of Residence for Hon. Mr. Kibaki, Muthaiga, Kenya. Triad Architects Complete.
83. 1990. Design of Getrude's Garden Flats, Muthaiga, Nairobi. Triad Architects Complete.
84. 1989: Design of 8 storey mixed use development, Lagos Road Nairobi, Kenya. Shelter Systems Architects. Complete
85. 1987-8: Design of Public Market in Mudete, Kenya. Jami-Trident Architects. Complete
86. 1987-8: Design of Public Market in Chevakali, Kenya. Jami-Trident Architects. Complete
87. 1987-8: Design of Public Abattoir in Chevakali, Kenya. Jami-Trident Architects. Complete
88. 1987-8: Design of Public Abattoir in Wajir, Kenya. Jami-Trident Architects. Complete

Architectural Offices:

- a) KJH Architects,
3051 Milford Chase

Marietta, GA 30008
Tel: +1 404-202-6223 and
54276 Terrace Ln.
South Bend, IN 46635
Tel: +1 786-531-6939
Email: jonyang1@nd.edu

- b) Investments and Technical Services,
Renfrewshire Council,
Cotton Street,
Paisley, PA1 1WB, United Kingdom
Tel: +44 300 300 0330
- c) Nile Inc. Design, Construction & Environmental Services.
9434 S Main St #1900, Jonesboro, GA 30236
Tel: + 1 (770) 892-5327
- d) Pak Heydt & Associates, LLC
600 Virginia Ave NE, Ste 200, Atlanta, GA
Email: yong@pakheydt.com and charles@pakheydt.com
T: +1 404.231.3195
F: +1 404. 231.3193
- e) Niles Bolton Associates,
3060 Peachtree Road, suite 600
Atlanta, GA 30305.
Tel: +1 404 365 3600/1
- f) Michael Blash & Associates,
180 7th St W Ste A,
Ketchum, ID 83340
T: +1 (208) 726-1414
E: michaelblash@cox.net
- g) Julian Bicknell Associates
The Annexe Studio
32a Larkfield Road
Richmond-Upon-Thames
Surrey, TW9 2PF
Telephone 020-3274-1070
- h) John Simpson Architects Limited
29 Great James Street,
Bloomsbury
London WC1N 3ES
Tel: +44 (0)20 7405 1285
E-mail: info@johnsimpsonarchitects.com

- i) Architerion Architects and Interior Designs,
 Davard Hse Cedar Rd Off Rhaptat Road, Nairobi, Kenya
 Tel: +254 20 4441850
- j) Symbion International Architects & Interior Designs,
 Symbion House Dagoretti Road Karen,
 Nairobi P.O Box 24002-00502. Kenya.
 Tel: 254-0202610691
- k) PJ Practice Architects & Interior designers
 Nairobi, P. O. Box 74276-00200. Kenya
- l) Triad Architects Kenya (Ltd)
 Triad House,
 83 Muthaiga Road,
 P.O. Box 30725
 00100 Nairobi Kenya.
 Tel: +254 20 4049651/4/5
 E-mail: info@triad.co.ke
 Website: www.triad.co.ke
- m) Shelter Systems Architects
 Atelier Complex,
 David Osieli Rd.
 P.O.Box: 48486-00100 Nairobi GPO
- n) Jami-Triad Architects,
 P. O. Box 664-50300 MARGL
 Tel: +254. 72 235 9963
 Email: isanajam@yahoo.com

TEACHING

- **Teaching Awards Received:**

- Excellence in Teaching First Year Students, Queens University Belfast, 2010, First Year Team, School of Architecture
 - Best Teacher Award, Department of Architecture, United Arab Emirates University, 2005

- **Teaching:**

- ARCH704401: Environmental Building Systems
 - ARC204: Architectural Design Studio IV
 - ARC306: Architectural Design Studio VI
 - ARC230: Building Technology 1 (Materials & methods)
 - ARC362: Building Technology 2 (Environmental Building Systems)
 - ARC408, 510, 608 & 609 Vertical Design Studio
 - ARC630: Building Technology 1 (Materials & methods) [Formerly ARC530]
 - ARC662: Building Technology 2 (Environmental Building Systems) [Formerly ARC562]
 - ARC584: Special Problems in Architecture (summer Research)

ARC685: Special Problems in Architecture
 ARC710: Research in residence
 ARC810: Masters Thesis
 ARC696: Advanced Building Systems
 ARC629: Pre-Thesis and Research Methods in Architecture
 ARC681: Sustainable Design in Context
 ARC616: Building Energy Modeling
 CAE 730: Doctoral Dissertation
 CAE740: Doctoral Dissertation
 Technology and Environment 1 and 2; Design Studio 2 and 3, Computer Modelling of Built Environment (CAMBE); at Queens University Belfast, UK

- **Thesis and Dissertation Advice and examination:**

2015. PhD committee for Wei Tian, “*Developing and applying the coupled simulation of indoor environment and HVAC system to improve building energy efficiency*” University of Miami (Complete 2017)

2013. PhD committee for Guillermo Claire, “*GFRP Reinforcement for Concrete Structures – Non-traditional Shapes*”, University of Miami (Completed November 2015)

2014. PhD examination committee for Dianna Arboleda, “*Fabric Reinforced Cementitious Matrix (FRCM) Composites For Infrastructure Strengthening And Rehabilitation: Characterization Methods*”, University of Miami (Completed July 2014)

2011. PhD committee for Esber Andiroglu, “*Development of a Virtual Air / Water Flow Meter Using Fan / Pump Head and Motor Power*”, University of Miami (completed June 19th 2015)

2011. External advisor PhD student at Queens University Belfast, Mulan Mu; “*Development of SSPCM with improved fire resistance property and thermal performance*”. (Completed 2014)

Supervised 5 Master of Architecture, and 4 MSc theses in Sustainable Design (2010-2011) Queens University Belfast, UK

- **MSc thesis in Architecture and Sustainable design**

Al Thobaiti, M. (2013-14) “*Dynamic and Adaptive Façade in Gulf Country*” MSc. degree University of Miami,

Quero-Castro, A., Y. (2012-13) “*MIAMI Freight Village: Gearing Up For An Efficient City*”, M.Sc. degree University of Miami.

Ciaran, R.; (2010-11) “*Investigation into the effectiveness of ‘sub metering’ with regards to reductions in energy use in Commercial Buildings in Belfast*” MSc. Degree Queens University Belfast, UK, 2011

McGeough, C. (2010-11) “*Design and Performance of commercial kitchens using heat recovery systems in Ireland*” MSc. Degree Queens University Belfast, UK,

- **M.Arch. Theses in Architecture**

Lorenzo, S. (2013-14) "*Sustainable Eco resorts: A systematic Investigation of design of sustainable infrastructure and practices eco-resorts*" M.Arch degree University of Miami

Quinn, P. (2010-11) "*The potential effect of ash concrete on Zero Carbon Housing Design*" M.Arch degree Queens University Belfast, UK

Puls, L. (2009-10) "*Home for the Homeless*" M.Arch degree, Queens University Belfast

Chapman, O. (2009-10) "*Contemporary Subterranean Communal Space*", M.Arch degree, Queens University Belfast,

Adamson, M. (2010-11) "*Urban decay- an investigation into abandonment and desertion of buildings and cities*" M.Arch degree, Queens University Belfast.

- **Summer Research in Architecture**

- **Brazil Scientific Mobility Program Academic Training: Summer 2015:**

Pedro-Delai, J.; (Summer 2015) "*Using PCM as an Adaptive Retrofit Response To Climate Change In The Design Of Typical Residence In Hot-Humid Climate*" Summer Internships University of Miami

De Sousa-Gonzaga, T.; (Summer 2015) "*How mobile structures, high-technology involving sensors and sustainable systems can support a design of a high-tech mobile classroom*" Summer Internships University of Miami

Medeiros-Netto, R.; (Summer 2015) "*The design and performance of Innovative designed houses in hot-humid climate of South Florida.*" Summer Internships University of Miami

Martins-Batista, S.; (Summer 2015) "*Adaptive Retrofit Strategy For Buildings In Hot-Humid Climates due to future effects of Climate Change*" Summer Internships University of Miami

Mara Da Cruz, G.; (Summer 2015) "*Integrating the nature of living walls on energy and indoor environment in hot humid climate*" Summer Internships University of Miami

SERVICE

- **University Committee and Administrative Responsibilities:**

University Committee on Libraries-UCL (University of Notre Dame, 2017-)

Graduate Council Representative (alternate) School of Architecture, University of Miami, 2015-16.

Director of Master of Science in Architecture, (University of Miami, 2014-16).

Recruitment and Enhancement Workgroup (School of Architecture, 2014-16),

Community Engagement Workgroup (School of Architecture, 2014-16)

Executive Committee member- Woodson Williams Marshall Association-(University of Miami, 2014-16)

Search Committee member for the Dean of the School of Architecture, (University of Miami, 2013-14)

Faculty Senate Student Affairs Committee (University of Miami, 2013-16)

Library committee, (School of Architecture, 2011-16),

Computing committee, (School of Architecture, 2011-16),

Curriculum Development Committee, (School of Architecture, 2012-16),

Graduate Admissions Committee, (School of Architecture, 2011-16),

A fellow of The Faculty Learning Community, FLC, the main focus of the University of Miami's Quality Enhancement Plan (QEP), University of Miami, supported by the Provost's Office (2011-16).

- **Community Activities:**

Pro-bono work:

Preparation and submission of parking layout for Ebenezer Spanish Seventh-day Adventist Church 2013.

Design of a passive 3-bedroom house for Ebenezer Spanish Seventh-day Adventist Church 2015.

Design of cafeteria addition to the Greater Miami Adventist Academy (GMAA) 2015.