

Haşim Altan, PhD, RIBA, AIA, MCIBSE, MASHRAE, CEng, EurIng, FHEA

Education

- PGCE, 2008, School of Education, University of Sheffield, UK
- PhD, 2004, School of Architecture, University of Sheffield, UK
- MArch, 1998, School of Architecture, University of Sheffield, UK
- BArch, 1997, Department of Architecture, Istanbul Technical University, Turkey

Academic Experience

- Associate Professor & Chairman - University of Sharjah, UAE [2016-Present]
- Adjunct Professor - Canadian University Dubai, UAE [2015-2016]
- Associate Professor (Reader) - British University in Dubai, UAE [2014-2016]
- Honorary Lecturer (Fellow) - Cardiff University, UK [2014-2017]
- Senior Lecturer (Associate Professor) - University of Sheffield, UK [2011-2014]
- Lecturer (Assistant Professor) - University of Sheffield, UK [2008-2011]
- Postdoctoral Research Associate (Senior Research Fellow) - University of Sheffield, UK [2004-2008]
- Associate Lecturer (Adjunct) - University of Sheffield, UK [2004-2008]
- Associate Lecturer (Adjunct) - University of Lincoln, UK [2007-2010]
- Associate Lecturer (Adjunct) - Sheffield Hallam University, UK [2006-2010]
- Visiting Professor - Brno University of Technology, Czech Republic [2008-2013]

Non-Academic Experience

- Hasim Altan Architects Green Design & Practice Ltd, UK [1999-Present]
- Üçok Design, Cyprus [2000-2002]
- Oğuz Feridun Architects, Cyprus [1996]
- Peter Minett & Partners Ltd, UK [1995]
- Kutlutaş Building Contractors, Turkey [1994]

Certification or Professional Registration

- Chartered Institute of Building (CIOB), Incorporate Member, 2014
- European Federation of National Engineering Associations (FEANI), European Engineer, 2013
- Institution of Engineering and Technology (IET), Chartered Member, 2013
- Fellow of the Higher Education Academy (FHEA), 2010
- Royal Institute of British Architects (RIBA), Chartered Architect, 2010
- American Society of Heating, Refrigeration and Air-Conditioning Engineers, Inc. (ASHRAE), Engineer, 2008
- Engineering Council UK, Graduate & Chartered, 2008 & 2013
- Chartered Institution of Building Services Engineers (CIBSE), Chartered Engineer, 2013
- American Institute of Architects (AIA), International Associate, 2008
- National Home Energy Rating (NHER), Registered Surveyor, 2007
- Architecture Registration Board (ARB), Registered Architect, 2006
- Scientific and Technical Chamber of Cyprus (ETEK), Registered Architect, 2005
- Union of the Chambers of Cyprus Turkish Engineers and Architects (KTMMOB), Registered Architect, 1997

Current Memberships in Professional Organizations

- Zero-Energy Mass Custom Homes (ZEMCH) International Network, 2010
- International Building Performance Simulation Association (IBPSA), The English Regional Affiliate - IBPSA-England, 2006
- Qatar National Research Fund (QNRF) - National Priorities Research Program (NPRP), 2013
- Chartered Institution of Building Services Engineers (CIBSE) - UAE Region / Building Simulation Group, UK, 2014 / 2009
- American Society of Heating, Refrigeration and Air-Conditioning Engineers, Inc. (ASHRAE) - Falcon Chapter, 2015
- International Forum on Environment, Civil and Architecture Engineering (FECAE), 2016
- Emirates Green Building Council (EGBC), 2014
- World Society of Sustainable Energy Technologies (WSSET), 2012

Honours and Awards

- 'Second Prize Award', 6th UAE Undergraduate Research Competition (URC) 2018 with 'Paradigm Shift: A Proposed Guideline for the New Generation Mall', Abu Dhabi University, Abu Dhabi, UAE, 2018.
- 'One of the 3-Best Finalist Award', Integrated Habitats Design Competition (IHDC), Neepsend, Sheffield, Victoria Business Improvement District, 2011.
- 'Best Paper Award', 9th China Urban Housing Conference (CHI 2011) on Low Carbon Green City and Harmonious Habitat Society, 2011.
- 'Honorable Prize Award', Incheon International Urban Design Competition with Off-Grid City Urban Design, INCHEON Urban Development Corporation (IUDC), 2009.
- 'First Class Prize', Royal Academy of Engineering's National Student Poster Competition, 'Holbeck Sustainable Development Project', Royal Academy of Engineering (RAE/UK), 2008.
- 'Highly Commended Award' in the Ecohouse Student Design Competition, Ecohouse Design, Concrete Centre in conjunction with the Architectural Press and Teachers in Architecture, 2008.
- 'Silver Award', International CUBE 180 Design Competition, AD(d)a HOMES - Adding Adaptable Homes, Government of Shenzhen, China, 2008.
- 'Third Prize Award', CISCO Student URBAN 2020 Competition, URBAN 2020 - Connected Community of Future Design, CISCO in co-ordination of RIBA and MAKE Architects, 2008.
- 'Best Paper Award', 3rd CIB International Conference on Smart and Sustainable Built Environments (SASBE 2009), 2009.
- 'Third Prize', Floor Design Competition, University-Industry Collaboration, Forbo Krommenie, 1996.

Current Admin and Teaching Duties

- Head of Department
- Architectural Design IV & V
- Senior Design Project I & II
- MSc & PhD Supervision

Most Recent & Selected Publications

▪ *Books (Edited)*

J.K.S. Calautit, F. Rodrigues, H. Chaudhry, **H. Altan** (Eds.), Towards Sustainable Cities in Asia and the Middle East, Proceedings of the 1st GeoMEast International Congress and Exhibition, Egypt 2017 on Sustainable Civil Infrastructures, Springer International Publisher, January 2018, ISBN: 978-3-319-61645-2.

H. Altan, A. La Tegola and E. de Nichilo (Ed), International Conference Proceedings of the Zero Energy Mass Custom Home (ZEMCH) 2015, Ordine degli Architetti Pianificatori Paesaggistici e Conservatori (OAPPC) della Provincia di Bari, ZEMCH Network, Lecce, Italy, December 2015, ISBN:978-88941-52609.

▪ **Book Chapters (Edited)**

H. Altan, R. Padovani, A. Hashemi. "Building Performance and Simulation", In M. Noguchi (Ed.), Springer Tracts in Civil Engineering, ZEMCH: Toward the Delivery of Zero Energy Mass Custom Homes, pp. 311-338, ISSN 2366-259X, E-ISSN 2366-2603, ISBN: 978-3-319-31965-0, E-ISSN: 978-3-319-31967-4, (Chapter 11), Springer International Publishing, Switzerland, DOI: 10.1007/978-3-319-31967-4_11.

H. Altan, M. Hajibandeh, K.A. Tabet Aoul, A. Deep. "Passive Design", In M. Noguchi (Ed.), Springer Tracts in Civil Engineering, ZEMCH: Toward the Delivery of Zero Energy Mass Custom Homes, pp. 209-236, ISSN 2366-259X, E-ISSN 2366-2603, ISBN: 978-3-319-31965-0, E-ISSN: 978-3-319-31967-4, (Chapter 8), Springer International Publishing, Switzerland, DOI: 10.1007/978-3-319-31967-4_8.

H. Altan, L. Han, K. Wagner, J.L.G. Ortega, A. Deep. "Energy Use in Housing", In M. Noguchi (Ed.), Springer Tracts in Civil Engineering, ZEMCH: Toward the Delivery of Zero Energy Mass Custom Homes, pp. 175-207, ISSN 2366-259X, E-ISSN 2366-2603, ISBN: 978-3-319-31965-0, E-ISSN: 978-3-319-31967-4, (Chapter 7), Springer International Publishing, Switzerland, DOI: 10.1007/978-3-319-31967-4_7.

H. Altan, N. Gasperini, S. Moshaver and A. Frattari. "Redesigning Terraced Social Housing in the UK for Flexibility Using Building Energy Simulation with Consideration of Passive Design", In M. Noguchi (Ed.), ZEMCH Research Initiatives: Mass Customisation and Sustainability, 1st Edition, MDPI AG Basel, Switzerland, 2015, pp. 161-181, ISBN: 978-3-03842-111-5, E-ISSN: 978-3-03842-112-2, <http://books.mdpi.com/pdfview/book/158>.

H. Altan and M. Refaee. "An Evaluation of Indoor Environment in Deprived Community Housing in Yorkshire and the Humber Region of England, UK", In I. Dincer et al. (eds.), Progress in Sustainable Energy Technologies Vol II: Creating Sustainable Development, Springer International Publishing, Switzerland, (September 2014), pp. 123-133 (Chapter 9), ISBN: 978-3-319-07976-9, E-ISSN: 978-3-319-07977-6, DOI 10.1007/978-3-319-07977-6_9.

H. Altan and Y.K. Kim. "Non-repeating Thermal Bridges and the Impact on Overall Heating Energy Consumption in a Typical UK Home", In I. Dincer et al. (eds.), Progress in Sustainable Energy Technologies Vol II: Creating Sustainable Development, Springer International Publishing, Switzerland, (September 2014), pp. 109-122 (Chapter 8), ISBN: 978-3-319-07976-9, E-ISSN: 978-3-319-07977-6, DOI 10.1007/978-3-319-07977-6_8.

▪ **Academic Journal Editorial**

B. J.K.S. Calautit and **H. Altan** (Eds.), Zero Energy Mass Custom Home (ZEMCH), Proceedings of the Institution of Civil Engineers, Engineering Sustainability, Vol. 170, Issue ES6, December 2017, pp 281-282 <http://dx.doi.org/10.1680/jensu.2017.170.6.281>, ISSN: 1478-4629, E-ISSN: 1751-7680.

▪ **Refereed Academic Journal Papers**

B. Ozarisoy and **H. Altan**, "Low Energy Design Strategies for Retrofitting Existing Residential Buildings in Cyprus", Proceedings of the Institution of Civil Engineers (ICE), Vol. 171, Issue 5, June 2018, ICE Publishing, pp. 1-15, ISSN: 1478-4629, E-ISSN: 1751-7680, DOI: 10.1680/jensu.17.00061.

H.B. Santacruz, P. Patlakas and **H. Altan**. "Evaluation and Visualisation of Mexican Mass Housing Thermal Performance", Proceedings of the Institution of Civil Engineers (ICE), Vol. 171, Issue 1, February 2018, ICE Publishing, pp. 1-53, ISSN: 1478-4629, E-ISSN: 1751-7680, DOI: 10.1680/jensu.16.00040.

F. Mirahmadi and **H. Altan**, "A Solution for Future Designs Using Techniques from Vernacular Architecture in Southern Iran", Sustainable Buildings Journal by EDP Sciences, Zero Energy Mass Custom Homes – ZEMCH 2015, Special Issue, February 2018, Vol. 3, Issue 1, pp. 1-20, ISSN: 2492-6035, DOI:10.1051/sbuild/2017007.

A. Sherif, H.M. Shalaby and **H. Altan**, "The Impact of the Informal Area Expansion on the Urban Natural Ventilation of Alexandria", International Congress and Exhibition, Sustainable Civil Infrastructures: Innovative Infrastructure Geotechnology (GeoMEast 2017), Towards Sustainable Cities in Asia and the Middle East, 15th-19th July 2017, Sharm El-Sheikh, Egypt, Proceedings, pp. 136-150, Springer, ISBN: 978-3-319-61644-5, E-ISSN: 978-3-319-61645-2, DOI: 10.1007/s41062-017-0109-0.

M. Khoshbakht, Z. Gou, K. Dupre and **H. Altan**, "Thermal Environments of an Office Building with Double Skin Facade", Journal of Green Building by College Publishing, September 2017, Vol. 12, Issue 3, ISSN: 1552-6100, eISSN: 1943-4618, DOI: 10.3992/1943-4618.12.3.3.

B. Ozarisoy, **H. Altan**, "Adoption of Energy Design Strategies for Retrofitting Mass Housing Estates in Northern Cyprus", Sustainability Journal by Open Access, Climate Change Mitigation and Adaptation - ZEMCH 2016, Special Issue, Vol. 9, Issue 8, August 2017, pp. 1477-1480, ISSN: 2071-1050, DOI: 10.3390/su9081477.

M. Karima, **H. Altan**, "Interactive Building Environments: A Case Study University Building in UAE", International High-Performance Built Environment Conference – A Sustainable Built Environment Conference 2016 Series (SBE16), iHBE 2016, Special Issue, Procedia Engineering, 180 (2017), pp. 1355-1362, Elsevier, ISSN: 1877-7058, DOI: 10.1016/j.proeng.2017.04.298.

S.L. Shareef, **H. Altan**, "Building Sustainability Rating Systems in the Middle East", Proceedings of the Institution of Civil Engineers (ICE) - Engineering Sustainability, November 2016, ICE Publishing, pp. 1-11, ISSN: 1478-4629, E-ISSN: 1751-7680, DOI: 10.1680/jensu.16.00035.

A. Sherif, H.M. Shalaby and **H. Altan**, "Towards the 2nd Sustainable City in the Middle East: Retransforming Ras El Khaimah Coastal City with the Estidama 1st Model of Abu Dhabi Master Plan 2030", International Journal of Environment and Sustainability by Science Target, 2016, Vol. 5, No. 2, pp. 30-44, ISSN: 1927-9566.

S. Zahiri and **H. Altan**, "The Effect of Passive Design Strategies on Thermal Performance of Female Secondary School Buildings during Warm Season in Hot Dry Climate", Frontiers in Built Environment Journal, Heating, Ventilation, and Air Conditioning Speciality Section, March 2016, Vol. 2, Article 3, pp. 1-15, DOI: 10.3389/fbuil.2016.00003.

H. Altan, J. Mohelnikova, P. Hofman. "Thermal and Daylight Evaluation of Building Zones", 6th International Building Physics Conference, IBPC 2015, Energy Procedia Journal by Elsevier, Special Issue, Vol. 78, November 2015, pp. 2784-2789, ISSN: 1876-6102, DOI: 10.1016/j.egypro.2015.11.626.

H. Altan, N. Gasperini, S. Moshaver and A. Frattari. "Redesigning Terraced Social Housing in the UK for Flexibility Using Building Energy Simulation with Consideration of Passive Design", ZEMCH Research Initiatives: Mass Customisation and Sustainability, Sustainability Journal by Open Access, Special Issue, Vol. 7, May 2015, pp. 5488-5507, ISSN: 2071-1050, DOI: 10.3390/su7055488.

H. Altan, J. Mohelnikova. "Windows Influence on Room Daylighting in Residential Buildings", Journal of Civil Engineering and Architecture by David Publishing Company, Vol. 9, Issue 3, March 2015 (Serial Number 88), pp. 291-299, ISSN: 1934-7359, eISSN: 934-7367, DOI: 10.17265/1934-7359/2015.03.007.

L. Han, **H. Altan** and M. Noguchi. "A Feasibility Study on Occupants' Behaviour and Energy Usage Patterns, and Its Potential Integration with Building Information Modelling", International Journal of 3-D Information Modelling (IJ3DIM), Building Information Modelling (BIM) and Housing Special Issue, January-March 2015, Vol. 4, Issue 1, pp. 45-53, ISSN: 2156-1710, eISSN: 2156-1702.

H. Altan, J.S. Douglas and Y.K. Kim. "Energy Performance Analysis of University Buildings: Case Studies at Sheffield University, UK", Journal of Architectural Engineering Technology by OMICS Publishing Group, Vol. 3, Issue 3, June 2014, pp. 1-13, 000129, ISSN: 2168-9717, DOI: 10.4172/2168-9717.1000129.

X. Wang, **H. Altan** and J. Kang. "Parametric Study on the Performance for Green Residential Buildings in China", Frontiers of Architectural Research Journal by Elsevier, Vol. 4, Issue 1, March 2015, pp. 56-67, ISSN: 2095-2635, DOI: <http://dx.doi.org/10.1016/j.foar.2014.06.007>.

M.R. Braun, **H. Altan** and S.B.M. Beck. "Using Regression Analysis to Predict the Future Energy Consumption of a Supermarket in the UK", Applied Energy Journal by Elsevier, Vol. 130, June 2014, pp. 305-313, DOI: 10.1016/j.apenergy.2014.05.062.

A.M.S. Kashkooli, G.A. Vargas and **H. Altan**. "A Semi-Quantitative Framework of Building Lifecycle Analysis: Demonstrated through a Case Study of a Typical Office Building Block in Mexico in Warm and Humid Climate", Sustainable Cities and Society Journal by Elsevier, Vol. 12, July 2014, pp. 16-24, ISSN: 2210-6707, DOI: <http://dx.doi.org/10.1016/j.scs.2013.11.002>.

P. Patlakas, H.B. Santacruz and **H. Altan**. "Visualization of Post Occupancy Evaluation Environmental Data", Proceedings of the Institution of Civil Engineers (ICE), Vol. 167, Issue 5, May 2014, ICE Publishing, pp. 56-64, ISSN: 0965-089X, E-ISSN: 1751-7672, DOI: 10.1680/cien.13.00014.

H. Altan, M. Refaee, L. Han and M. Noguchi. "Measured Home Environment and Energy Consumption Compared to Accepted Standards", Open House International Journal by Open House International Association, ZEMCH Special Issue, Vol 38, No. 3, September 2013, pp. 64-71, ISSN 0168-2601.

M. Refaee and **H. Altan**. "Trends of Indoor Environment and Energy Consumption Incidence by Human Activities", Journal of Engineering Technology by Global Science and Technology Forum (GSTF), Vol. 2, No. 2 (19), August 2013, pp. 110-115, ISSN: 2251-3701.

▪ *Refereed International Conference Papers*

B. Ozarisoy and **H. Altan**, "Adoption of Retrofit Strategies for the Housing Sector in Northern Cyprus", 5th International Conference on Zero Energy Mass Custom Home (ZEMCH 2016), Global Warming by Green and Energy Efficient Building Technology, 20th-23rd December 2016, Kuala Lumpur, Malaysia, Proceedings, pp. 375-386, ZEMCH Network, ISBN: 978-967-11236-9-0.

S. Al Khawaja and **H. Altan**, "Achieving Sustainable Outdoor Thermal Comfort in the American University of Sharjah Campus", 5th International Conference on Zero Energy Mass Custom Home (ZEMCH 2016), Global Warming by Green and Energy Efficient Building Technology, 20th-23rd December 2016, Kuala Lumpur, Malaysia, Proceedings, pp. 113-126, ZEMCH Network, ISBN: 978-967-11236-9-0.

A.H. Eltrapolsi and **H. Altan**, "Thermal Simulation of Natural Ventilation Strategy in Residential Building of Hot Dry Climate, Ghadames, Libya", 9th International Conference on Indoor Air Quality, Ventilation & Energy Conservation in Buildings (IAQVEC 2016), Healthy & Smart Built Environment, 23rd-26th October 2016, Songdo, Incheon, Seoul, Republic of Korea, Proceedings, Korean Federation of Science and Technology Societies (KOFST).

H. Altan, and A.T. Aslam, "Investigating the Energy Efficiency of Biomimetic Facades based on Penguin Feathers: Strategies for an Existing Office Building in Great Britain", 9th International Conference on Indoor Air Quality, Ventilation & Energy Conservation in Buildings (IAQVEC 2016), Healthy & Smart Built Environment, 23rd-26th October 2016, Songdo, Incheon, Seoul, Republic of Korea, Proceedings, Korean Federation of Science and Technology Societies (KOFST).

H. Altan, J. Mohelnikova and P. Hofman. "Daylighting in Renovated School Building", 3rd IBPSA-England Conference, Building Simulation and Optimisation (BSO 2016), 12th-14th September 2016, Great North Museum, Newcastle, England, UK, Abstract Proceedings, pp. 63, ISBN: 978-0-7017-0254-0, Full Proceedings, pp. 584-589, IBPSA-England and Newcastle University, ISBN: 978-0-7017-0258-8.

H.S. Askari, **H. Altan**, "Intelligent Sustainable Government Buildings in the UAE", 12th REHVA World Congress – CLIMA 2016, 22nd-25th May 2016, Aalborg, Denmark, In Heiselberg, P.K. (Ed.) (2016). CLIMA 2016 - Proceedings of the 12th REHVA World Congress: Vol. 6. Aalborg: Aalborg University, Department of Civil Engineering, ISBN: 87-91606-31-4, [87-91606-36-5 (set)].

W. Smadi, A.A. Ameer, **H. Altan**, "The Environmental Radiation Pollution in Urban Buildings", 1st International Conference on Sustainable Built Environment 2016 Dubai (SBE16 Dubai), SBE16 Series of National Conferences on Sustainability (Triple Bottom Line), 17th-19th January 2016, Dubai, UAE, Proceedings, British University in Dubai, ISBN: 978-9948-13-518-0.

M. Noguchi, A. Hashemi, and **H. Altan**, "The Essence of Japanese Net Zero Energy Cost Housing Delivery Observed through the ZEMCH Mission to Japan", 49th Annual Conference of the Architectural Science Association (ASA 2015), Living and Learning: Research for a Better Built Environment, 2nd-4th December 2015, Melbourne, Australia, Proceedings, Melbourne School of Design.

E. Alkhateeb and **H. Altan**, "Retrofitting Existing Buildings in United Arab Emirates: Barriers, Opportunities, and Recommendations", 4th International Conference on Zero Energy Mass Custom Home (ZEMCH 2015) and Technical Seminars, Mass Customisation and Sustainability in the Built Environment, 21st-25th September 2015, Lecce, Italy, Proceedings, pp. 653-668, ZEMCH Network, ISBN: 978-88941-52609.

H. Altan, J. Mohelnikova and P. Mocova, "Analysis of Thermal and Visual Comfort in Renovated School Classrooms", 4th International Conference on Zero Energy Mass Custom Home (ZEMCH 2015) and Technical Seminars, Mass Customisation and Sustainability in the Built Environment, 21st-25th September 2015, Lecce, Italy, Proceedings, pp. 713-720, ZEMCH Network, ISBN: 978-88941-52609.

R. Gafar and **H. Altan**, "Indoor Plants Impact on Indoor Environmental Quality", 4th International Conference on Zero Energy Mass Custom Home (ZEMCH 2015) and Technical Seminars, Mass Customisation and Sustainability in the Built Environment, 21st-25th September 2015, Lecce, Italy, Proceedings, pp. 831-846, ZEMCH Network, ISBN: 978-88941-52609.

S. Zahiri and **H. Altan**, "The Impact of Passive Design Strategies on Indoor Comfort of School Buildings in Hot-dry Climates", 4th International Conference on Zero Energy Mass Custom Home (ZEMCH 2015) and Technical Seminars, Mass Customisation and Sustainability in the Built Environment, 21st-25th September 2015, Lecce, Italy, Proceedings, pp. 749-762, ZEMCH Network, ISBN: 978-88941-52609.

A. Hashemi, M. Noguchi and **H. Altan**, "Feasibility of Application of Modern Methods of Construction in Iran", 4th International Conference on Zero Energy Mass Custom Home (ZEMCH 2015) and Technical Seminars, Mass Customisation and Sustainability in the Built Environment, 21st-25th September 2015, Lecce, Italy, Proceedings, pp. 19-32, ZEMCH Network, ISBN: 978-88941-52609.

D. Tachouali and **H. Altan**, "Developing Environmental Practices with Focus on Architectural and Social Aspects in the Case of Dubai", 31th International Conference on Passive and Low Energy Architecture (PLEA 2015), Architecture in (R)Evolution, 9th-11th September 2015, Bologna, Italy, Proceedings, BGF.

H. Altan, J. Mohelnikova, P. Hofman. "Thermal and Daylight Evaluation of Building Zones", 6th International Building Physics Conference (IBPC 2015), Building Physics for a Sustainable Built Environment, the Official Conference of the International Association of Building Physics (IABP), Torino, Italy, 14th-17th June 2015, Proceedings, pp. 40, Centro Congressi Internazionale (CCI).

H. Altan, N. John and J. Yoshimi. "Comparative Life Cycle Analysis of Green Wall Systems in the UK", 2nd International Sustainable Buildings Symposium (ISBS 2015), Sustainable Buildings and Environment, Ankara, Turkey, 28th-30th May 2015, Proceedings, pp. 991-999, Gazi University, ISBN: 978-975-507-278-4.

H. Altan and M. Refaee. "The Influence of Airtightness on Indoor Environment of the Deprived Community Housing in the UK", 3rd Annual International Conference on Architecture and Civil Engineering (ACE 2015), Advances in Architecture and Civil Engineering, Singapore, 13th-14th April 2015, Proceedings, pp. 194-198, GSTF, ISSN: 2301-394X, DOI: 10.5176/2301-394X_ACE15.175.

J. Yoshimi and **H. Altan**. "An Observational Study on Thermal Benefits of Green Walls in the UK Climate", International Conference on Green Walls (ICGW 2014), Meeting the Challenge of a Sustainable Urban Future: The Contribution of Green Walls, Stoke-on-Trent, England, UK, 4th-5th September 2014, Abstract Proceedings, The Green Wall Centre, Staffordshire University.

S. Moshaver, **H. Altan**. "A Knowledge Model to Implement Home Working in Multi-Tenant Housing", 15th International Union of Architects (UIA) World Congress, (DURBAN 2014), Architecture OTHERWHERE, Resilience - Ecology - Values, 3rd-7th August 2014, Durban, South Africa, Abstracts Proceedings, pp. 63, UIA, ISBN: 978-0-86970-783-8.

H. Altan and B. Zemleduch. "TAO-N House: Design of a Zero Energy and Near Zero Carbon Home", Grand Renewable Energy 2014 International Conference and Exhibition (GRE 2014), Together with International Solar Energy Society (ISES) Asia Pacific Conference 2014 and 2nd Asia Wave and Tidal Energy Conference, 27th July - 1st August 2014, Tokyo Big Sight, Tokyo, Japan, Proceedings.

L. Han, **H. Altan** and M. Noguchi. "Occupants' Behaviour and the Impact on Home Energy Consumption and Indoor Environments: Demonstrated Through an Affordable House Selected in Scotland", Grand Renewable Energy 2014 International Conference and Exhibition (GRE 2014), Together with International Solar Energy Society (ISES) Asia Pacific Conference 2014 and 2nd Asia Wave and Tidal Energy Conference, 27th July - 1st August 2014, Tokyo Big Sight, Tokyo, Japan, Proceedings.

M.R. Braun, S.B.M. Beck, **H. Altan**. "Comparing COP Optimization with Maximizing the Coefficient of System Performance for Refrigeration Systems in Supermarkets", 15th International Refrigeration and Air Conditioning Conference at Purdue, (Purdue Conferences 2014), Compressor Engineering, Refrigeration and Air conditioning, High Performance Buildings, 14th-17th July 2014, Stewart Center, Purdue University, T West Lafayette, Indiana, USA.

H. Altan, M. Refaee, J. Mohelnikova and Y.K. Kim. "Indoor Environment in a University Office Building with a Double-skin Facade", 2nd IBPSA-England Conference in association with CIBSE, Building Simulation and Optimisation (BSO 2014), 23rd-24th June 2014, London, England, UK, Proceedings, UCL.

H. Altan, L. Han, and M. Noguchi. "Good Practice for Future Sustainable Housing", 3rd International Conference on Zero Energy Mass Custom Homes (ZEMCH 2014), Mass Customisation and Sustainability in Housing, 4th-6th June 2014, Londrina, Parana, Brazil, Proceedings, pp. 182-194, ZEMCH Network, UEL, ISBN: 978-0-9910608-1-8.

H. Altan, N. Gasperini and A. Frattari. "Flexible Terraced Passive House Design and Performance Evaluation using Building Simulation", 8th Biennial Conference of IBPSA-Canada (eSim 2014), the Canadian Conference on Building Simulation, 7th-10th May 2014, Ottawa, Canada, Proceedings, pp. 179-192, IBPSA-Canada & Carleton University.

H. Altan, M. Refaee and Y.K. Kim, "Indoor Environment Evaluation of UK Social Housing Pre and Post Refurbishment", 12th International Conference on Sustainable Energy Technologies (SET 2013), Hong Kong, China, 26th-29th August 2013, Proceedings, Faculty of Construction and Environment & Research Institute for Sustainable Urban Development, The Hong Kong Polytechnic University, Hong Kong, China, ISBN: 978-988-15439-5-0.

H. Altan and C. Dara, "Achieving Zero Carbon New Built Homes in the UK: Demonstrated through a Case Study", 12th International Conference on Sustainable Energy Technologies (SET 2013), Hong Kong, China, 26th-29th August 2013, Proceedings, Faculty of Construction and Environment & Research Institute for Sustainable Urban Development, The Hong Kong Polytechnic University, Hong Kong, China, ISBN: 978-988-15439-5-0.

H. Altan, R. Shiram, Y.K. Kim, K. Mohammadian and B. Zemleduch, "Using Energy Modelling for Calculations of Energy Savings, Payback and Return on Investment for a Typical Commercial Office Building with IBT Systems", 13th International Conference of the International Building Performance Simulation Association (IBPSA), Building Simulation (BS 2013), Chambéry, France, 25th-28th August 2013, Proceedings, INES, ISBN: 978-2-7466-6294-0.

Recent Professional Development Activities

- Chief Co-Editor of an international journal (Sustainable Buildings by EDP Sciences)
- Associate Editor of four international journals (Sustainable Buildings / Architectural Engineering Technology / Energy and Emission Control Technologies / Built Environment)
- Member of Scientific Committee / Peer Review Panel of several international journals (Architectural Science Review / Applied Energy / Automation in Construction / Buildings / Building and Environment / Building Research & Information / Building Services Engineering Research & Technology / Energy / Energy and Buildings / Energies / Journal of Cleaner Production / Indoor and Built Environment / Intelligent Buildings International / Sustainable Cities and Society / Sustainability)
- Guest Editor of three international journals (ICE Engineering Technology / Sustainable Buildings / Open House International)
- Member of Scientific Committee in several international conferences (PLEA / IBPSA / ZEMCH / BSO / eCAADe / SBE / SOLARIS / ACE / SEEP / SDBE)
- Scientific Chair /Co-Chair of three international conferences (ZEMCH 2015 / ISBS 2017 / ZEMCH 2018)
- Vice Chair and Honorary Secretary, CIBSE UAE Region
- Affiliated with two UAE Professional Committees, ASHRAE Falcon Chapter, CIOB Dubai & North Emirates Hub
- Committee Member and Education Representative, RIBA Gulf Chapter
- Member of the BGreen Expert Panel, UAE