

Tim Sharpe
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Architecture
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Qualifications

Doctor of Philosophy, University Of Strathclyde
Award Date: 21 Jul 1990

University of Dundee
Award Date: 20 Jun 1985

Bachelor of Architecture, University of Dundee
Award Date: 7 Jun 1983

Research outputs

Strathclyde Pandemic Research Journeys: Personal Accounts of Research During the Covid Period

Sutter, J., Morton, A., Maguire, R. (ed.), Littlejohn, D., Allan, G., Cogan, N., Combe, M., Corrigan, D., Cooper, B., Egan, K., Flowers, P., Grez Hidalgo, P., Inns, T., Janssen, X., Kleczkowski, A., MacBryde, J., Reilly, G., Megiddo, I., Mwaura, S., Sharpe, T., & 3 others Sambajee, P., Suckling, C. & Carver, M., 10 Oct 2022, Glasgow, UK: University of Strathclyde. 46 p.

Thermal comfort assessment of the first residential Passivhaus in Latin America

Moreno-Rangel, A., Sharpe, T., McGill, G. & Musau, F., 30 Nov 2021, In: Journal of Building Engineering. 43, 103081.

Indoor air quality assessment of Latin America's first Passivhaus home

Moreno-Rangel, A., Musau, F., Sharpe, T. & McGill, G., 8 Nov 2021, In: Atmosphere. 12, 11, 18 p., 1477.

Health effects of indoor air quality on children and young people

Holgate, S., Grigg, J., Arshad, H., Carslaw, N., Cullinan, P., Dimitroulopoulou, S., Greenough, A., Holland, M., Jones, B., Linden, P., Sharpe, T., Short, A., Turner, B., Ucci, M., Vardoulakis, S., Stacey, H. & Hunter, L., 30 Oct 2020, *Environmental Pollutant Exposures and Public Health*. Harrison, R. M. (ed.). [S.I.]: Royal Society of Chemistry, p. 151-188 38 p.

SPI-B/EMG: MHCLG Housing Impacts Paper - 10 September 2020

Scientific Advisory Group for Emergencies (SAGE) - Environmental Working Group, Sharpe, T., Bear, L., Kamal, A., Melendez-Torres, GJ. & Naldzhiev, D., 2 Oct 2020, London. 11 p.

Influence of ventilation use and occupant behaviour on surface microorganisms in contemporary social housing

Sharpe, T., McGill, G., Dancer, S. J., King, M-F., Fletcher, L. & Noakes, C. J., 16 Jul 2020, In: Scientific Reports. 10, 1, 13 p., 11841.

Indoor air quality in Passivhaus dwellings: a literature review

Moreno-Rangel, A., Sharpe, T., McGill, G. & Musau, F., 1 Jul 2020, In: International Journal of Environmental Research and Public Health. 17, 13, 16 p., 4749.

Ability of Decentralised Mechanical Ventilation to Act as 'Whole-house' Ventilation Systems in New-build Dwellings

Sharpe, T., McGill, G., McQuillan, J., Lantschner, B., Morgan, C. & Tuohy, P., 6 Dec 2019, Edinburgh. 132 p.

Developing a methodology for integration of whole life costs into BIM processes to assist design decision making

Zanni, M., Sharpe, T., Lammers, P., Arnold, L. & Pickard, J., 5 May 2019, In: Buildings. 9, 5, 21 p., 114.

Towards healthy and energy efficient new homes: current issues and future directions

McGill, G., Sharpe, T. & Devereux, G., 10 Apr 2019.

What is the microbiome of the human home?

Dancer, S., McNally, L., McLaren, J., McGill, G., Fletcher, L., Noakes, C. & Sharpe, T., 1 Nov 2018, p. 1.

Mainstreaming building performance evaluation for the benefit of users

Sharpe, T., 23 Oct 2018, In: Building Research and Information. 47, 3, p. 251-254 4 p.

Standardization of Whole Life Cost estimation for early design decision-making utilizing BIM

Zanni, M., Sharpe, T., Lammers, P., Arnold, L. & Pickard, J., 4 Oct 2018, *Advances in Informatics and Computing in Civil and Construction Engineering: Proceedings of the 35th CIB W78 2018 Conference: IT in Design, Construction, and Management*. Mutis, I. & Hartmann, T. (eds.). Cham, Switzerland: Springer, p. 773-779 7 p.

Building performance and end-user interaction in passive solar and low energy housing developments in Scotland

Sharpe, T., McGill, G., Menon, R. & Farren, P., 30 Sep 2018, In: Architectural Science Review. 61, 5, p. 280-291 12 p.

Indoor fine particle (PM_{2.5}) pollution and occupant perception of the indoor environment during summer of the first Passivhaus certified dwelling in Latin America

Moreno-Rangel, A., Sharpe, T., Musau, F. & McGill, G., 30 Aug 2018, In: Journal of Natural Resources and Development. 8, p. 78-90 13 p.

Indoor fine particle (PM_{2.5}) pollution and occupant perception of the indoor environment during summer of the first Passivhaus certified dwelling in Latin America

Moreno-Rangel, A., Sharpe, T., Musau, F. & McGill, G., 30 Aug 2018, In: Journal of Natural Resources and Development. 8, p. 78-90 13 p.

Hab-Lab: development of a light touch BPE methodology for retrofit

Sharpe, T., Morgan, C. & Lantechner, B., 1 Aug 2018, p. 1-6. 6 p.

Ventilation performance and hygrothermal conditions in new-build UK housing

McGill, G., Sharpe, T., Robertson, L., Gupta, R. & Mawditt, I., 1 Jul 2018. 8 p.

Assessing domestic heat storage requirements for energy flexibility over varying timescales

Allison, J., Bell, K., Clarke, J., Cowie, A., Elsayed, A., Flett, G., Oluleye, G., Hawkes, A., Hawker, G., Kelly, N., Manuela Marinho de Castro, M., Sharpe, T., Shea, A., Strachan, P. & Tuohy, P., 25 May 2018, In: Applied Thermal Engineering. 136, p. 602-616 15 p.

Ethical issues in domestic building performance evaluation studies

Sharpe, T., 25 May 2018, In: Building Research and Information. 47, 3, p. 318-329 12 p.

Field evaluation of a low-cost indoor air quality monitor to quantify exposure to pollutants in residential environments

Moreno-Rangel, A., Sharpe, T., Musau, F. & McGill, G., 9 May 2018, In: Journal of Sensors and Sensor Systems. 7, 1, p. 373-388 16 p.

Ventilation and Health

Sharpe, T., 1 Feb 2018. 34 p.

A taxonomy of fabric integrated thermal energy storage: a review of storage types and building locations

Manuela Marinho de Castro, M., Sharpe, T., Kelly, N. & Allison, J., 26 Jan 2018, In: Future Cities and Environment. 4, 1, 10 p.

A breath of fresh air? ventilation performance in contemporary homes

Sharpe, T., 1 Dec 2017.

Building tight – ventilating right?

Sharpe, T., 18 Oct 2017.

Characterising the actual performance of domestic mechanical ventilation and heat recovery systems

Gupta, R., Gregg, M., Sharpe, T., McGill, G. & Mawditt, I., 1 Sep 2017, p. 106-116. 11 p.

Health effects of Modern Airtight Construction: HEMAC Multidisciplinary Network Summary Report

McGill, G., Sharpe, T., Devereux, G. & Turner, S., 1 Sep 2017, 45 p.

Health effects of modern airtight construction: research needs and future directions

McGill, G. & Sharpe, T., 1 Sep 2017, p. 250-252. 3 p.

Impacts on indoor air quality of thermally driven housing retrofit projects in Scotland

Sharpe, T., 1 Sep 2017, *Healthy Buildings 2017 Asia*. 2 p.

Modelling indoor environmental quality in low energy housing

Bocanegra-Yanez, M. D. C., Strachan, P., Morgan, C. & Sharpe, T., 9 Aug 2017, *Building Simulation 2017*. 10 p.

Ventilation performance and end-user interaction: comparison of natural and mechanical strategies in new-build social housing

McGill, G. & Sharpe, T., 1 Jul 2017. 8 p.

The UK is putting IAQ and health on the agenda again

McGill, G. & Sharpe, T., 1 Jun 2017, In: *The REHVA European HVAC Journal*. 54, 3, p. 45-49 5 p.

An Investigation of indoor air quality in UK Passivhaus dwellings

McGill, G., Sharpe, T., Oyedele, L., Keeffe, G. & McAllister, K., 28 May 2017, *Smart Energy Control Systems for Sustainable Buildings*. Littlewood, J., Spataru, C., Howlett, R. J. & Jain, L. C. (eds.). Cham, Switzerland: Springer, p. 245-268 24 p. (Smart Innovation, Systems and Technologies; vol. 67).

Case study investigation of indoor air quality during summer of the first PassivHaus in Mexico City

Moreno-Rangel, A., Sharpe, T., Musau, F. & McGill, G., 1 May 2017, *Innovation Match MX 2016-2017 Conference*. 18 p.

Overheating in Scotland: contributing factors in occupied homes

Morgan, C., Foster, J. A., Poston, A. & Sharpe, T. R., 1 Apr 2017, In: *Building Research and Information*. 45, 1-2, p. 143-156 14 p.

Domestic thermal storage requirements for heat demand flexibility

Allison, J., Bell, K., Clarke, J., Cowie, A., Elsayed, A., Flett, G., Gbemi, O., Hawkes, A., Hawker, G., Kelly, N., Manuela Marinho de Castro, M., Sharpe, T., Shea, A. & Strachan, P., 14 Mar 2017, (Accepted/In press) p. 1-10. 10 p.

Meta-analysis of indoor temperatures in new-build housing

McGill, G., Sharpe, T., Robertson, L., Gupta, R. & Mawditt, I., 17 Feb 2017, In: *Building Research and Information*. 45, 1-2, p. 19-39 21 p.

Building performance evaluation of a retrofitted dwelling in Scotland

McGill, G. & Sharpe, T., 1 Jul 2016, *PLEA 2016: Cities, Buildings, People: Towards Regenerative Environments*. 6 p.

Technologically dependent ventilation in a temperate climate- a UK case study

McGill, G. & Sharpe, T., 1 Jul 2016, *Indoor Air 2016, The 14th International Conference of Indoor Air Quality and Climate*. 2 p.

PassivHaus as an answer to improve the indoor air quality in Mexico City

Moreno Rangel, A., Sharpe, T., Musau, F. & McGill, G., 30 Jun 2016.

Indoor annual sunlight opportunity in domestic dwellings may predict well-being in urban residents in Scotland

Swanson, V., Sharpe, T., Porteous, C., Hunter, C. & Shearer, D., 27 Jun 2016, In: *Ecopsychology*. 8, 2, p. 121-130 10 p.

Large-scale cloaking with tiny telescopes

Steven, O., White, C. D., Antoniou, G., Orife, E., Sharpe, T. & Courtial, J., 1 Apr 2016, In: *Journal of Optics A: Pure and Applied Optics*. 18

Characteristics and performance of MVHR systems: a meta study of MVHR systems used in the Innovate UK building performance evaluation Programme

Sharpe, T., McGill, G., Gupta, R., Gregg, M. & Mawditt, I., 15 Mar 2016, 103 p.

Overheating in Scotland: lessons from 26 monitored low energy homes

Morgan, C., Foster, J. A., Sharpe, T. & Poston, A., 1 Sep 2015, *CISBAT 2015 International Conference 'Future Buildings and Districts - Sustainability from Nano to Urban Scale'*. Lausanne, p. 167-172 6 p.

Sunlight accessibility indoors and mental health: evidence from a social housing community in Glasgow, Scotland

Robertson, L., Sharpe, T., Swanson, V., Porteous, C. & Foster, J., 1 Sep 2015, *VELUX Daylight Symposium 2015*. p. 1-4 4 p.

Sunlight and mental wellbeing: evidence of links from social housing in Glasgow, Scotland

Robertson, L., Sharpe, T., Swanson, V., Porteous, C. & Foster, J., 1 Sep 2015, p. 1-1. 1 p.

Airborne bacteria and fungi concentrations in airtight contemporary dwellings

McGill, G., Moore, J., Sharpe, T., Downey, D. & Oyedele, L., 22 Jul 2015.

Occupant interactions and effectiveness of natural ventilation strategies in contemporary new housing in Scotland, UK

Sharpe, T., Farren, P., Howieson, S., Tuohy, P. & McQuillan, J., 21 Jul 2015, In: *International Journal of Environmental Research and Public Health*. 12, 7, p. 8480-8497 18 p.

Ventilation provision and outcomes in mainstream contemporary new-building flats in London, UK

Sharpe, T. & Charles, A., 1 Jul 2015, *Healthy Buildings 2015 America*. 4 p.

Monitored environmental conditions in new energy efficient housing in Scotland - effects by and on occupants

Sharpe, T., Foster, J. & Poston, A., 1 Jun 2015, *International Seminar on Renewable Energy and Sustainable Development, 2015 (RES2015)*. 6 p.

Bedroom environmental conditions in airtight mechanically ventilated dwellings

McGill, G., Oyedele, L., Keeffe, G., McAllister, K. & Sharpe, T., 1 May 2015, *Healthy Buildings Conference, Europe 2015*. 8 p.

Ventilation in Homes: a breath of fresh air?

Sharpe, T., 1 Mar 2015.

Building Performance Evaluation Final Report Domestic Buildings Phase 2: In-use performance and post occupancy evaluation Murray Place, Barrhead, Glasgow.

Sharpe, T., Foster, J. & Shearer, D., 1 Dec 2014, Glasgow.

Building Performance Evaluation Final Report Domestic Buildings Phase 2: In-use performance and post occupancy evaluation of the Inverness Expo site.

Sharpe, T., Foster, J. & McIlroy, L., 1 Dec 2014, Glasgow. 155 p.

Scenario testing of the energy and environmental performance of "The Glasgow House"

Sharpe, T. & Shearer, D., 22 Sep 2014, In: *Buildings*. 4, 3, p. 580-604 25 p.

Towards low carbon homes ? measured performance of four Passivhaus projects in Scotland

Sharpe, T. & Morgan, C., 19 Sep 2014, *Eurosun 2014*. 10 p.

Making it real - engaging students in building performance research at the Mac

Sharpe, T., 1 Sep 2014, *AAE Conference 2014: Living and Learning*. 4 p.

Building tight – ventilating right? How are new air tightness standards affecting indoor air quality in dwellings?

Howieson, S. G., Sharpe, T. & Farren, P., Sep 2014, In: *Building Services Engineering Research and Technology*. 35, 5, p. 475-487 13 p.

Investigation of Occupier Influence on Indoor Air Quality in Dwellings

Sharpe, T., McQuillan, J., Howieson, S., Farren, P. & Tuohy, P., 21 Aug 2014, Edinburgh. 109 p.

Scenario testing of the energy and environmental performance of the 'Glasgow House'

Sharpe, T. & Shearer, D., 1 Sep 2013, *PLEA2013 - 29th Conference, Sustainable Architecture for a Renewable Future*.

Adapting the Scottish tenement to 21st century standards: an evaluation of the performance enhancement of a 19th century Category B listed tenement block in Edinburgh

Sharpe, T. & Shearer, D., 24 May 2013, In: *Journal of Cultural Heritage Management and Sustainable Development*. 3, 1, p. 55-67 13 p.

Energy and environmental appraisal of domestic laundering appliances

Porteous, C., Sharpe, T., Menon, R., Shearer, D., Musa, H., Sanders, C. H., Baker, P. H., Strachan, P. A., Kelly, N. J. & Markopoulos, A., Dec 2012, In: *Building Research and Information*. 40, 6, p. 679-699 21 p.

The Roles of Building Users in Achieving Sustainable Energy Futures

Sharpe, T., 3 Oct 2012, *Sustainable Energy: Recent Studies*. Gebremedhin, A. (ed.). Croatia

Ventilation issues arising from post occupancy studies on new build and refurbishment

Sharpe, T. & Shearer, D., 2 Feb 2012.

Closing the gap between teaching and research in sustainable design - experiences at the Mackintosh School of Architecture

Sharpe, T. & Stewart, S., 27 Oct 2011.

Zero-energy mass custom home research initiative

Noguchi, M., Stewart, S., Sharpe, T. & Ringaila, A., 28 Aug 2011.

Resilience to occupancy: findings from recent post occupancy evaluation

Sharpe, T., 14 Jun 2011.

Glasgow House Performance Evaluation Report

Shearer, D., Porteous, C. & Sharpe, T., 31 May 2011, Glasgow. 46 p.

Communal residential laundry washing and drying: can it provide demand-side electrical load flexibility?

Borg, S. P., Kelly, N., Markopoulos, A., Strachan, P., Porteous, C. & Sharpe, T., 4 Apr 2011. 8 p.

Guidance For Living in a Low Carbon Home

Sharpe, T., 7 Mar 2011, 48 p.

Crossflex: concept and early development of a true building integrated wind turbine

Sharpe, T. & Proven, G., 31 Dec 2010, In: *Energy and Buildings*. 42, 12, p. 2365-2375 11 p.

The Role of Aesthetics, Visual And Physical Integration In Building Mounted Wind Turbines - An Alternative Approach

Sharpe, T., 30 Dec 2010, *Paths to Sustainable Energy*. Nathwani, J. & Ng, A. (eds.). p. 279-300 22 p.

Insider not outsider: supporting sustainability in final design thesis

Stewart, S. & Sharpe, T., 28 Jun 2010, *2nd International Conference on Design Education*.

A brief historical review of community technical aid and community architecture

Sharpe, T. & Milner, J., 1 Sep 2009, *Architecture, Participation and Society*. Jenkins, P. & Forsyth, L. (eds.). 1 ed. Routledge, p. 23-39 17 p.

Building mounted wind turbines on existing multi-storey housing

Sharpe, T., 1 Sep 2008, In: *Open House International: housing and the built environment : theories, tools and practice..* 33, 3, p. 60-69 10 p.

Technical Feasibility Of Erecting A Wind Turbine On A High Rise Building

Menon, R. & Sharpe, T., 25 Jul 2008, *Proceedings World Renewable Energy Congress*.

The Impermanent House: A Psycho-analytical Approach to Improving Glasgow's Social Housing Schemes

Sharpe, T., Fung, J. & Porteous, C., 6 Sep 2006, *PLEA2006 - The 23rd Conference on Passive and Low Energy Architecture*. Geneva

A PV-Clad Duct to Preheat Supply air and Power Fans in a Mechanical Ventilation System

Menon, R., Sharpe, T. & Porteous, C., 1 Jun 2006, *Eurosun 2006, Glasgow*.

District Heating System Monitoring in Govan, Glasgow, Scotland: Nature and Scale of Inefficient Practices

Sharpe, T., 13 Nov 2005, *Proceedings 22nd International Conference, PLEA 2005: Passive and Low Energy Architecture - Environmental Sustainability : The Challenge of Awareness in Developing Societies, Proceedings*. Raydan, D. K. & Melki, H. H. (eds.). p. 290-297 8 p.

Ecourbanism: designing a 'green' city.

Viswanathan, P. & Sharpe, T., 2005, *Sustainable Development and Planning II*. Vol. 1. p. 67-75 9 p.

Why are new 'direct gain' dwellings underperforming in Scotland

Kondratenko, I., Sharpe, T. & Porteous, C., 23 Jun 2004, *Proceedings of EuroSun 2004*. Denmark, p. 370-375 6 p.

The Potential for Urban Turbine use on Multi-Storey Housing in Glasgow

Sharpe, T., 1 Nov 2003, *Proceedings of the 2nd World Wind Energy Conference*. 10 p.

Wind Turbine Integration onto High Rise Housing

Sharpe, T., 26 Jun 2002, *EuroSun 2002: visions for the new millennium. Proceedings of Eurosun 2002 the 4th ISES Europe Solar Congress, Conference*.

Design and simulation of a small scale PV system for a stand alone household

Sharpe, T. & Porteous, C., 23 Jun 2002, *Proceedings of Eurosun 2002 – the 4th ISES Europe Solar Congress*. Rome

Progress on PV-assisted dynamic insulation wall in Scotland

Sharpe, T., Baker, P. H. & Porteous, C., 23 Jun 2002, *Proceedings of Eurosun 2002 – the 4th ISES Europe Solar Congress*. Rome

New energy Efficient Public Housing in Glasgow: the Priesthill Project

Sharpe, T. & Porteous, C., 1 Jun 2001, *NorthSun 2001 9th International Conference on Solar Energy in High Latitudes*. p. 196-203 8 p.

Hybrid PV Dynamic Insulation wall in Scotland - Early Test cell Results

Sharpe, T., Porteous, C. & Baker, P., 1 May 2001, *New energy Efficient Public Housing in Glasgow the Priesthill Project*. Leun, C. J. V. D. & Ree, B. G. C. V. D. (eds.).

The Building (web) Site

Sharpe, T. & Stewart, S., 31 Jan 2001, *Digital Creativity*. McKay, J. & Shaw, R. (eds.).

The St. Avit Project

Sharpe, T. & Pickering, I., 31 Jan 2001, *Digital Creativity*. McKay, J. & Shaw, R. (eds.).

Web Based User Participation in Design

Sharpe, T. & Romice, O., 31 Jan 2001, *Digital Creativity*. McKay, J. & Shaw, R. (eds.).

Hybrid PV dynamic insulation wall in Scotland: early test cell results

Porteous, C., Baker, P. H. & Sharpe, T., 2001, *Technology Meets market in the Solar Age, 9th International Conference on Solar Energy at High Latitudes*. p. 459-464 6 p.

Activities

Building Tight, Ventilating Right?

Tim Sharpe (Speaker)

8 Dec 2020

Indoor Air (Journal)

Tim Sharpe (Peer reviewer)

16 Oct 2020

Delivering Healthy Homes: Indoor Air Quality & Ventilation with Tim Sharpe

Tim Sharpe (Speaker)

30 Jun 2020

Royal Institute of British Architects RIBA (External organisation)

Tim Sharpe (Advisor)

30 Jun 2020 → ...

Building and Environment (Journal)

Tim Sharpe (Peer reviewer)

12 Jun 2020

Energies — Open Access Journal of Energy Research (Journal)

Tim Sharpe (Peer reviewer)

2 May 2020

British Standards Institute (BSI) (External organisation)

Tim Sharpe (Advisor)

20 Apr 2020 → ...

Energies — Open Access Journal of Energy Research (Journal)

Tim Sharpe (Peer reviewer)
13 Mar 2020

International Journal of Environmental Research and Public Health (Journal)

Tim Sharpe (Peer reviewer)
19 Jan 2020

Intelligent Buildings International (Journal)

Tim Sharpe (Peer reviewer)
17 Jan 2020

Science Advisory Group for Emergencies (SAGE) - Environmental and Modelling Group (External organisation)

Tim Sharpe (Member)
2020

Building and Environment (Journal)

Tim Sharpe (Peer reviewer)
15 Dec 2019

Sustainable Cities and Society (Journal)

Tim Sharpe (Peer reviewer)
21 Nov 2019

Buildings and Cities (Journal)

Tim Sharpe (Peer reviewer)
30 Oct 2019

Building and Environment (Journal)

Tim Sharpe (Peer reviewer)
29 Oct 2019

Sustainability (Journal)

Tim Sharpe (Peer reviewer)
10 Oct 2019

Housing and child health: why we can't ignore this any longer

Tim Sharpe (Speaker)
27 Sep 2019

Building Services Engineering Research and Technology (Journal)

Tim Sharpe (Peer reviewer)
10 Sep 2019

Sustainability (Journal)

Tim Sharpe (Peer reviewer)
14 Aug 2019

Environmental Research Letters (Journal)

Tim Sharpe (Peer reviewer)
12 Mar 2019

Energies — Open Access Journal of Energy Research (Journal)

Tim Sharpe (Peer reviewer)
2 Jan 2019

Building Regulations Advisory Committee (External organisation)

Tim Sharpe (Advisor)
2019 → ...

National Institute for Health and Care Excellence Public Health Advisory Committee (External organisation)

Tim Sharpe (Advisor)
2019 → 2020

SAP Industry Forum Group (External organisation)

Tim Sharpe (Advisor)
2019 → ...

Annual UK Review Meeting on Outdoor and Indoor Air Pollution Research

Tim Sharpe (Speaker)
23 May 2018

Sustainability (Journal)

Tim Sharpe (Peer reviewer)
11 May 2018

British Standards Institute (BSI) (External organisation)

Tim Sharpe (Advisor)
2018 → ...

Construction Leadership Council (External organisation)

Tim Sharpe (Advisor)
2018 → ...

Royal College of Paediatrics and Child Health (RCPCH) and the Royal College of Physicians (RCP) working group (External organisation)

Tim Sharpe (Advisor)
2018 → ...

Energies — Open Access Journal of Energy Research (Journal)

Tim Sharpe (Peer reviewer)
23 Nov 2017

International Journal of Environmental Research and Public Health (Journal)

Tim Sharpe (Peer reviewer)
19 Oct 2017

CPD presentation - Issues of Ventilation in Housing

Tim Sharpe (Speaker)
18 Oct 2017

Sustainability (Journal)

Tim Sharpe (Peer reviewer)
30 Sep 2017

Energies — Open Access Journal of Energy Research (Journal)

Tim Sharpe (Peer reviewer)
31 Aug 2017

Indoor and Built Environment (Journal)

Tim Sharpe (Peer reviewer)
12 Aug 2017

Building Research and Information (Journal)

Tim Sharpe (Peer reviewer)
6 Jul 2017

Sustainability (Journal)

Tim Sharpe (Peer reviewer)
22 Jun 2017

Indoor and Built Environment (Journal)

Tim Sharpe (Peer reviewer)
16 Jun 2017

Sustainability (Journal)

Tim Sharpe (Peer reviewer)
22 May 2017

Energies — Open Access Journal of Energy Research (Journal)

Tim Sharpe (Peer reviewer)
27 Apr 2017

Sustainability (Journal)

Tim Sharpe (Peer reviewer)
7 Mar 2017

Building Services Engineering Research and Technology (Journal)

Tim Sharpe (Peer reviewer)
18 Feb 2017

NHBC Construction Quality Expert Panel (External organisation)

Tim Sharpe (Advisor)
2017 → ...

National Institute for Health and Care Excellence Public Health Advisory Committee on Indoor Air Quality (External organisation)

Tim Sharpe (Advisor)
2017 → ...

Saltire Society Housing Awards (External organisation)

Tim Sharpe (Advisor)
2017 → ...

Remote Sensing (Journal)

Tim Sharpe (Peer reviewer)
1 Aug 2016

International Journal of Environmental Research and Public Health (Journal)

Tim Sharpe (Peer reviewer)
4 Jul 2016

Energy and Buildings (Journal)

Tim Sharpe (Peer reviewer)

6 Apr 2016

Energy and Buildings (Journal)

Tim Sharpe (Peer reviewer)

15 Mar 2016

Sustainability (Journal)

Tim Sharpe (Peer reviewer)

7 Jan 2016

UK Centre for Moisture in Buildings (External organisation)

Tim Sharpe (Advisor)

2016 → ...

International Journal of Environmental Research and Public Health (Journal)

Tim Sharpe (Peer reviewer)

18 Dec 2015

International Journal of Environmental Research and Public Health (Journal)

Tim Sharpe (Peer reviewer)

19 Nov 2015

Ventilation – Damned if you do and damned if you don't!

Tim Sharpe (Speaker)

Nov 2015 → ...

Science of the Total Environment (Journal)

Tim Sharpe (Peer reviewer)

25 Aug 2015

Journal of Cultural Heritage Management and Sustainable Development (Journal)

Tim Sharpe (Peer reviewer)

16 Apr 2015

Indoor and Built Environment (Journal)

Tim Sharpe (Peer reviewer)

29 Mar 2015

Sustainability (Journal)

Tim Sharpe (Peer reviewer)

13 Feb 2015

Carnegie Trust for the Universities of Scotland (Publisher)

Tim Sharpe (Peer reviewer)

2015 → 2020

Construction Scotland Innovation Centre Technical Advisory Group (External organisation)

Tim Sharpe (Advisor)

2015 → ...

MVHR Meta Study: Overview of findings

Tim Sharpe (Speaker) & R Gupta (Speaker)

2015 → ...

Ventilation in Homes: A breath of fresh air?

Tim Sharpe (Speaker)

2015 → ...

Zero Carbon Hub Ventilation Steering Group (External organisation)

Tim Sharpe (Advisor)

2015 → 2016

Indoor and Built Environment (Journal)

Tim Sharpe (Peer reviewer)

22 Dec 2014 → 29 Mar 2015

Indoor and Built Environment (Journal)

Tim Sharpe (Peer reviewer)

22 Dec 2014

Buildings (Journal)

Tim Sharpe (Peer reviewer)

2 Dec 2014

NHBC Scotland Technical Committee (External organisation)

Tim Sharpe (Advisor)

2014 → ...

NHBC Standards Group (External organisation)

Tim Sharpe (Advisor)

2014 → 2017

Institute for Housing and Construction Industry Training Board Workshop

Tim Sharpe (Speaker)

13 Jun 2013

Carrying out a successful post occupancy evaluation in 'Buildings in Use'

Tim Sharpe (Speaker)

6 Mar 2013

Building Performance Evaluation – Why and How?

Tim Sharpe (Participant)

6 Feb 2013

Innovations For Sustainable Building Design And Refurbishment In Scotland

Tim Sharpe (Speaker)

Feb 2013 → ...

Institute for Sustainability (External organisation)

Tim Sharpe (Advisor)

2013 → 2015

Building Tight, Ventilating Right?' Air Quality in Housing

Tim Sharpe (Participant)

2 Feb 2012

Guangzhou University

Tim Sharpe (Visiting researcher)
2012 → ...

Modern Built Environment Knowledge Transfer Network event

Tim Sharpe (Speaker)
16 Aug 2011

Technology Strategy Board Building Performance Evaluation

Tim Sharpe (Speaker)
20 Jun 2011

CIC Start online conference 2011

Tim Sharpe (Speaker)
14 Jun 2011 → 17 Jun 2011

European Association for Architectural Education Research Committee (External organisation)

Tim Sharpe (Advisor)
2011 → 2012

Innovate UK (External organisation)

Tim Sharpe (Advisor)
2011 → 2016

Medical Research Council 2010 (Event)

Tim Sharpe (Peer reviewer)
10 Jun 2010

Low Carbon Design and Environmental Architecture

Tim Sharpe (Speaker)
20 Oct 2009 → 24 Oct 2009

Mainstreaming Innovation (External organisation)

Tim Sharpe (Advisor)
2009 → 2013

Common Academic Framework Working Group (External organisation)

Tim Sharpe (Advisor)
2007 → 2009

GSA Board of Governors (External organisation)

Tim Sharpe (Advisor)
2007 → 2012

AHRC Peer Review College (External organisation)

Tim Sharpe (Advisor)
2006 → 2016

EuroSun 2006 International Renewable Energy Conference (Event)

Tim Sharpe (Advisor)
2006 → ...

VLE working group (External organisation)

Tim Sharpe (Advisor)
2005 → 2008

Masters Validation Panels (External organisation)

Tim Sharpe (Advisor)
2002 → ...

Glasgow School of Art (External organisation)

Tim Sharpe (Advisor)
1999 → 2006

Mackintosh School of Architecture (External organisation)

Tim Sharpe (Advisor)
1999 → ...

Mackintosh School of Architecture (External organisation)

Tim Sharpe (Advisor)
1999 → 2001

GSA Research and Knowledge Exchange Committee (External organisation)

Tim Sharpe (Advisor)
1998 → ...

Awards**Environmental monitoring: National Core Transmission Study (Phase 2)- EXT#1**

Sharpe, T., McGill, G. & Tuohy, P. G.
Health & Safety Executive: £48,317.00
1/04/22 → 31/01/23

Projects**Enkelt Simple Living CICStart Feasibility Study**

Sharpe, T.

To develop innovative tools for applying building information modelling (BIM) and building performance evaluation (BPE) for application within the build to rent market

Sharpe, T.

A research project to develop guidance for occupiers on how to live in a low carbon home

Sharpe, T.

Ability of decentralised mechanical ventilation to act as 'whole-house' ventilation systems in new-build dwellings

Sharpe, T.

Academic Director CICStart online LUPS/ERDF/2008

Sharpe, T.

An evaluation of CAD as a method for enabling user participation in housing design

Sharpe, T.

BTS Phase 1. Low level monitoring programme of community heating system in rehabilitated tenement building for Govan Housing Association

Sharpe, T.

Bloom Court Building Performance Evaluation, Energy Conscious Design
Sharpe, T.

Breathing City: Future Urban Ventilation Network
Sharpe, T.
NERC (Natural Environment Research Council)
1/09/20 → 31/08/24

Building Integrated Wind Turbine concept development
Sharpe, T.

Building Integrated Wind Turbines – studies into feasibility of building integrated wind energy funded by BRECSU and GCC
Sharpe, T.

Building Performance Evaluation 2012
Sharpe, T.

Building Performance Evaluation Scoping Study
Sharpe, T.

Building Performance Evaluation of existing dwellings
Sharpe, T.

CI Evaluating Options and Outcomes in The Retrofit of pre-1919 Glasgow Tenement Housing: A Demonstration Project
Sharpe, T. & Gonzalez-Longo, C.

CI Improving housing management leading to improved health outcomes
Sharpe, T.

CI Sam Foster Architects: Building Performance Evaluation
Sharpe, T.

Designing and monitoring energy performance in house designs, Dualchas
Sharpe, T.

Development of Post Occupancy Evaluation for evaluation of innovative low carbon social housing projects, CICStart feasibility Study
Sharpe, T.

Development of the 'Passivhoos' concept
Sharpe, T.

Dormont Park Passivhaus Building Performance Evaluation for Dormont Estate
Sharpe, T.

Dundasvale Court environmental Assessment, Examination of constructional problems for high-rise flats for Glasgow Housing Association 2006
Sharpe, T.

Dundasvale Court environmental Assessment, Examination of constructional problems for high-rise flats for Glasgow Housing Association 2006
Sharpe, T.

Environmental assessment of domestic laundering
Sharpe, T.

Environmental monitoring: National Core Transmission Study (Phase 2)
Sharpe, T., McGill, G. & Tuohy, P. G.
Health & Safety Executive
1/04/21 → 31/01/23

Expert Evaluator, Technology Strategy Board, Building Performance Evaluation programme
Sharpe, T.

Fabric Integrated Thermal Storage in Low Carbon Dwellings (FITS-LCD) EP/N021479/1
Sharpe, T.

Feasibility study and EU Thermie submission for solar thermal upgrading of T84 housing blocks in Glasgow
Sharpe, T.

Feasibility study into the energy use of wind turbines on a multi-storey housing block in Clydebank
Sharpe, T.

Glasgow Housing Association design advice on the Glasgow House
Sharpe, T.

Glazed roof preheat spaces – An investigation into their contribution to energy efficiency
Sharpe, T.

Health Effects of Modern Airtight Construction: Follow-on Funding (AHRC transfer)
Sharpe, T. & McGill, G.
AHRC (Arts and Humanities Research Council)
10/02/20 → 31/10/21

Health effects of modern airtight construction AHRC AH/N006607/1
Sharpe, T.

Highland Expo Phase 2 Building Performance Evaluation, for Architecture and Design Scotland/Scottish Government
Sharpe, T.

Influence of ventilation design on the prevalence of anti-microbial bacteria in homes
Sharpe, T.

KTP - Anderson, Bell, Christie Ltd. The project will develop a toolkit to incorporate holistic net zero carbon measures into their design process, enabling creation of net zero carbon communities.
Sharpe, T., Kelly, N. & McElroy, L.
Anderson Bell Christie ABC Architects, Innovate UK
1/01/22 → 30/06/24

KTP - John Gilbert Architects Ltd. Development of a robust BIM informed design and build process
Sharpe, T.
John Gilbert Architects Limited, Innovate UK
1/11/20 → 19/12/22

Measure, inform, nudge: an integrated, human-centric air quality measurement and visualisation system
Sharpe, T. & McGill, G.
Arbnco Ltd (formerly Co2 Estates Limited)
1/06/21 → 31/05/22

Meta-Study of MVHR systems in new housing
Sharpe, T.

Murray Place Performance Evaluation for Hanover Scotland Housing Association
Sharpe, T.

National Core Study: Covid Transmission (Building a resilient future by understanding the environmental and transmission risk factors related to SARS-CoV-2 (Covid 19))
Sharpe, T., McGill, G. & Tuohy, P. G.
Health & Safety Executive
16/11/20 → 31/03/21

National Energy Foundation, SuperHomes Retrofit rating scoping exercise
Sharpe, T.
31/08/20 → 31/12/20

Newberry Tower Wind Turbine. Project to install and monitor wind turbine on campus building
Sharpe, T.

Newberry Tower Wind Turbine. Project to install and monitor wind turbine on campus building
Sharpe, T.

PI 9-11 Gilmour's close - comparing theoretical performance of a suite of sustainable installations in the building against their actual performance
Sharpe, T.

PI Building Performance Evaluation study, Glasgow House follow-on projects
Sharpe, T.

PI Gannochy Trust for BPE project investigating health and ventilation design in a new-build housing scheme for the Gannochy Trust in Perth
Sharpe, T.

PI Greendykes - Alternative ventilation strategies for flats
Sharpe, T.

PI The Glasgow House Post Occupancy Evaluation – PoE and analysis of low energy public housing
Sharpe, T.

PI, PassivTen: Developing options for refurbishment of tenement properties in Glasgow's East End to Passivhaus standard
Sharpe, T.

PI, SFC Innovation Voucher - Dormont Estate Passivhaus Zero Carbon Assessment
Sharpe, T.

Renewable Energy Systems on Buildings, Springer Verlag London Ltd
Sharpe, T.

Research to identify effective ventilation and indoor air quality guidance and practice
McElroy, L. & Sharpe, T.
Scottish Government
8/11/21 → 31/10/22

Research to identify if changes to guidance in Standard 3.14 Ventilation in 2015 have been effective in improving ventilation and indoor air quality
Sharpe, T., Howieson, S., McElroy, L., McGill, G. & Tuohy, P. G.
Scottish Government
18/03/21 → 1/10/23

SAP SURVEY FOR COMMUNITIES SCOTLAND, Low level monitoring program that aims to validate theoretical SAP calculations against performance data
Sharpe, T.

SAP+ funded research into the development of the Standard Assessment Procedure energy model
Sharpe, T.

Sheeps Wool Feasibility Study
Sharpe, T.

Sunshine, Health and Wellbeing in Housing
Sharpe, T.

The Glasgow House Phase 1 Building Performance Evaluation, for Glasgow Housing Association
Sharpe, T.

Ti-Na-Cladich Building Performance Evaluation, Fyne Initiatives
Sharpe, T.

To develop a spreadsheet version of the BREDEM and SAP methodology
Sharpe, T.

To investigate occupier influence on indoor air quality in dwellings
Sharpe, T.

Wyndford energy Efficiency Project
Sharpe, T.