Dr Isaac Jamieson

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Specialisations

- Resilience
- Innovation
- Bio-Sustainability
- Air Quality
- Architecture and Urban Design
- Bioelectromagnetic Design
- Production Design
- Psychology in Design
- Research Skills and Methods of Enquiry
- COVID-19 mitigation

Education

- Imperial College London, UK. PhD Environmental Scienc DIC Environmental Science, 2008.
- RIBA, UK / The Robert Gordon University, Aberdeen, UK Part Three Examination in Architecture, 1989.
- The Robert Gordon University, Aberdeen, UK. Diploma Advanced Architectural Studies, 1988.
- The Robert Gordon University, UK. BSc (Hons) Architecture, 1986.

Professional Experience (partial listing)

- Thammasat University: Associate Director, Design Business Technology Management (DBTM) (2019 - present).
- Thammasat University: Smarter Living Solutions – Research cluster leader (2019 - present).
- Thammasat University: International expert (2017 - present).
- Member of Steering Committee for the Creative Waste Innovation Hub in Thailand (2018 - 2019).
- Expert Group Member Subcommittee TC101: Electrostatics. International Electrotechnical Commission (2016 - present).
- EM Radiation Research Trust - Scientific Advisor (2011 - present).
- Physicians' Health Initiative for Radiation and Environment (PHIRE) - Scientific Advisor (2017 - present).
- Chartered Institute of Building Services Engineers, CIBSE Intelligent Buildings Group: Member of Management Steering Committee (2015 - 2017).
- Royal Institute of British Architects, Corresponding Member of RIBA Regulations and Standards Group (2012 - 2016).
- European Commission, Expert Group Member of Stakeholders on Electromagnetic Fields (2011 - 2015).
- Imperial College London: IC Consultant (2011 - 2013).
- RIBA representative on UK Health Protection Agency's ELF EMF Communication Working Group (2011 - 2012).
- Research Associate at Imperial College London, UK (2009 - 2010).
- UK Institute of Physics: Honorary Secretary and Treasurer of the Electrostatics Group (2008 - 2011).
- BioSustainable Designs (2019 - present).
- Architect / Environmental Consultant / Scientist: Self (2003 – present).
- Vortex Research and Design: Researcher and Designer (1998 - 2001).
- Scott Jamieson Design: Architect, Designer, Writer, Partner (1991 - 1997).
- Trehearne & Norman Architects: Architectural Assistant: Project Architect, Architectural Assistant (1989 - 1991).
- Salmon Speed Architects: Architectural Assistant (1987).
- John S. Bonnington Partnership: Architectural Assistant (1986 - 1987).

Publications (partial list)

- Khumpaisal, S., Bunnag, K. & Jamieson, I.A. (2020), Risk Perceptions among SME Developers: A Case Study of Thailand's Real Estate Development Industry. International Journal of Real Estate Studies (INTREST), 14(1), 17-27.
- Sisang, K., Jamieson, I., Wongwatcharapaiboon, J. & Chulerk, R. (2020), SATI (Smarter Agriculture Thai Initiative): A Smarter Organic Farming Model for Thai Farmers. 11th Built Environment Research Associates Conference BERAC2020, Thammasat University. (Runner-up best paper award at conference).
- Kamolchaiwanich, S., Jamieson, I., Khumpaisal, S. & Pongsuwan, S. (2020), Developing Smarter Lifetime Homes that enhance wellbeing for all generations. 11th Built Environment Research Associates Conference BERAC2020, Thammasat University. (Runner-up best paper award at conference).
- Thaeppunkulngam, A., Jamieson, I., Tontisirin, N. & Suebsuk, N. (2020), Investigation of Extended Reality Technologies as Architectural and Urban Design Tools for Water-Related Disaster Planning and Mitigation. 11th Built Environment Research Associates Conference BERAC2020, Thammasat University.
- Kongjae, N. & Jamieson, I. (2020), Urban Agriculture Initiatives to Increase Food Security in Bangkok. 11th Built Environment Research Associates Conference BERAC2020, Thammasat University.
- Suksant, S., Jamieson, I. & Tontisirin, N. (2020), A pilot study on measures to reduce the creation of plastic waste at a university campus in Thailand. PRSCO 2019: The 16th Pacific Regional Science Conference Organization Summer Institute.
- Wongchittaphok, C., Jamieson, I., Wongwatcharapaiboon, J. & Chongcharoen, K. (2020), Proposed waste management guidelines for the fast fashion industry in Thailand. BERAC2019, 10th Built Environment Research Associates Conference. 25 June 2019, Bangkok Art and Cultural Centre. Thammasat University.
- Chulerk, P., Wongwatacharapaiboon, J., Jamieson, I.A. & Thossilaporn, P. (2019), An Effective Brand Strategy Guideline to Increase Possibility of Purchasing Diamond Jewelry by Middle Class Buyers in Bangkok (Case Study in The Old Siam Shopping Plaza). BERAC2019, 10th Built Environment Research Associates Conference. 25 June 2019, Bangkok Art and Cultural Centre. Thammasat University.
- Phongpipatkul, M. & Jamieson, I.A. (2019), The impact of food waste initiatives on urban resilience, well-being and inclusiveness. BERAC2019, 10th Built Environment Research Associates Conference. 25 June 2019, Bangkok Art and Cultural Centre. Thammasat University.
- Sutjaritvorakul, T., Boonyanan, A., Jamieson, I.A. & Thossilaporn, P. (2019), The Study of Inbound – Outbound Bus Services Experiences: A Case Study from Hong Kong Bus Services. BERAC2019, 10th Built Environment Research Associates Conference. 25 June 2019, Bangkok Art and Cultural Centre. Thammasat University.
- Thitiyanporn, P., Jamieson, I.A., Senivongse, C. & Tantiyaswasdikul, K. (2019), A Study on the Use and Adoption of Sustainable Product of Room Amenities in Hotels. BERAC2019, 10th Built Environment Research Associates Conference. 25 June 2019, Bangkok Art and Cultural Centre. Thammasat University.
- Wongchittaphok, C. & Jamieson, I.A. (2019), Proposed waste management guidelines for the fast fashion industry in Thailand. Conference Paper. BERAC2019, 10th Built Environment Research Associates Conference. 25 June 2019, Bangkok Art and Cultural Centre. Thammasat University.
- Jamieson, I.A. (2019), Bioelectromagnetic Design: An Interdisciplinary Approach to Drive Innovation. BERAC2019, 10th Built Environment Research Associates Conference. 25 June 2019, Bangkok Art and Cultural Centre. Thammasat University.
- Jamieson, I.A. (2018), Chapter 12: Bioelectromagnetic Design. In: Clements-Croome, D. & Yang, T. (Eds.) Research Roadmap for Intelligent and Responsive Buildings. International Council for Research and Innovation in Building and Construction, pp. 61-64.
- Jamieson, I.A. (Ed.) (2015), Small Medium Houses 3. Li-Zenn Publications.
- Jamieson, Jamieson, ApSimon & Bell (2011), Grounding & Human Health – a Review. Journal of Physics: Conference Series, 301(1).
- Jamieson & Holdstock (2010), Electromagnetic Phenomena and Health – a Continuing Controversy? IOP Conference Series: Earth and Environmental Sciences.
- Jamieson, Holdstock, ApSimon & Bell (2010), Building Health: The Need for Electromagnetic Hygiene?, IOP Conference Series: Earth and Environmental Sciences.
- Jamieson (2010), Intelligent Communication: The Future of EMF Discourse and Risk Governance? IOP Conference Series: Earth and Environmental Sciences.
- Jamieson & Briggs (2009), Towards Effective Risk Discourse: The Role of Stakeholder Partnerships. International Journal of Risk Assessment and Management, 13,(3-4), 276-293. (Note: Changed first names in 2009).
- Jamieson, ApSimon, Jamieson, Bell & Yost (2007), The effects of electric fields on charged molecules and particles in individual microenvironments. Atmospheric Environment, 41(25), 5224-5235.
- Jamieson, ApSimon & Bell (2008), Electrostatics in the environment: how they may affect health and productivity. Electrostatics 2007, 25 - 29 March 2007, Oxford, UK.
- Jamieson, Bell & Holdstock (2006), Electromagnetic Phenomena, Productivity, Health and Infection: The Potential Cost Benefits of low EMF Environments. EL-TEX 2006, 16 November 2006, Lodz, Poland.
- Jamieson & Jamieson (2006), Electromagnetic Phenomena, Microbial Infection, Charged Oxygen and Environmental Air Quality. Proceedings of VALDOR (VALues in Decisions On Risk) 2006, May 14-18, 2006 Stockholm, Sweden, pp. 281-288.
- Jamieson, ApSimon, Bell & Yost (2005), Interaction of Charged Molecules and Particles with Electromagnetic Fields in the Indoor Environment. Indoor Air 2005, II(2), pp. 2515-2521. 4 -9 September 2005, Beijing, China.
- Jamieson & Bell (2005), Distorted Current-Flow – The Forgotten Factor in EMF Research? Part I. European Biology and Bioelectromagnetics, 1(1), 1-7.
- Jamieson (2004), Distorted Current-Flow – A Major Causative Factor in EMF Hypersensitivity?: A Hypothesis. WHO International EMF Project Workshop on Electrical Hypersensitivity in Prague, Czech Republic in October 2004.

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Online Articles (partial list)

- Jamieson (2020), Excess charge may increase COVID-19 risk, Biosustainable Designs.
- Jamieson (2020), Improved bio-electromagnetic hygiene may help protect against COVID-19 infection, BioSustainable Designs.
- Jamieson (2020), Novel Coronavirus - China / "2019-nCOV" & Vertical Electric Field Technology (VEFT), BioSustainable Designs.
- Jamieson (2019), Air Pollution: Reducing our exposures to $PM_{2.5}$, BioSustainable Design.
- Jamieson & Mallery-Blythe (2017), Comments on Extending Local Full Fibre Networks: Call for Evidence. EM-Radiation Research Trust and PHIRE (Physicians' Health Initiative for Radiation and Environment).
- Jamieson (2016), A Visionary Royal, BioSustainable Design.
- Jamieson & Mallery-Blythe (2015), Written Evidence (BEN0216) submitted to the UK House of Lords. Building better places - Select Committee on National Policy for the Built Environment.
- Jamieson (2015), LiFi, BioSustainable Design.
- Jamieson (2014), RF/Microwave Radiation and Risk Awareness, BioSustainable Design.
- Jamieson (2014), Electromagnetic Pulse (EMP) Risk Awareness, BioSustainable Design.
- Jamieson (2014), Electromagnetic Hypersensitivity and Human Rights: Commentary to the European Economic and Social Committee.
- Smart Meters - Smarter Practices. Jamieson (2011, 2012) - EM-Radiation Research Trust. (E-book).
- Jamieson (2012), A Commentary on Schools & Best Practice EMF Legislation. In: 'Safe Schools 2012: Medical and Scientific Experts Call for Safe Technologies in Schools'.
- Jamieson (2012), Smart Meters and Weather Extremes - Set to Fail? What happens when weather is colder than smart meters can operate?
- Jamieson (2012), Draft Communications Data Bill - Call for Evidence. Evidence prepared for the EM-Radiation Research Trust.
- CIBSE Intelligent Buildings Group Newsletter - Co-Editor and contributor (2015 to 2017).
- Electrostatics Group of the Institute of Physics - Editor and contributor to its eNewsletter till 2015 (when group merged with the Institute of Physics' Dielectrics Group).
- Jamieson (2010), Visible Light Communication (VLC) Systems. Bio-Electromagnetic Research Initiative, UK.
- Jamieson (2009), Air Ions & Charged Particles in Indoor Environments. Air Pollution Research In London (APRIL), Imperial College London.

Professional Projects

- Smarter Living Solutions
- Innovation & Entrepreneurship
- Rethinking Resilience
- Air quality
- Biophilia
- Food resilience
- Environmental factors, literacy & performance
- Bioelectromagnetic Design
- Transformations for Healthier Road Infrastructure & Vehicle Ecosystems (THRIVE)
- World Radio Frequency Standards, Guidelines & Best Practice
- Birds and Electromagnetic Fields
- COVID-19 mitigation

Online video presentations

- Jamieson (2020), Healthier Facades: Increasing Value and Tapping into the Lucrative Wellbeing Market - Includes measures to reduce coronavirus risk. ZAK World of Facades. Virtual Festival of Facades.
- Jamieson (2020), The possible role of electrostatics in transmission of the virus causing COVID-19: A hypothesis. Institute of Physics, London, UK.
- Jamieson (2020), Electrostatic Charge and COVID-19 Risk. BioSustainable Designs.
- Jamieson (2020), Rethinking Resilience: Vertical Electric Fields. BioSustainable Designs.

TV Appearance

- NBT WORLD (2019), How architectural design could deal with $PM_{2.5}$ pollution crisis. Thailand Today.