



Dr Isaac A. Jamieson

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Specialisations

- Resilient Innovation
- Wellbeing
- Architecture and Urban Design
- Bioelectromagnetic Design
- Bio-sustainability
- Production Design
- Psychology in Design
- Research Skills and Methods of Enquiry
- Pathogen mitigation measures (including addressing COVID-19 risks)

Education

- Imperial College London, UK. PhD Environmental Science
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)

- Head of Resilient Innovation research unit, Thammasat University (2023 - present).
- Thammasat University: Associate Director, Design Business Technology Management (DBTM) (2019 - present).
- Thammasat University: Smarter Living Solutions - Research cluster leader (2019 - 2023).
- Thammasat University: International expert (2017 - present).
- Steering Committee member for Creative Waste Innovation Hub in Thailand (2018 - 2019).
- Expert Group Member Subcommittee TC101: Electrostatics. International Electrotechnical Commission (2016 - 2019).
- 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)

Journal publication:

- Jamieson, I.A. (2023). Grounding (earthing) as related to electromagnetic hygiene: An integrative review. *Biomedical Journal*, 46(1), 30-40. [Winner of the TDS Article Publishing Award issued by Thammasat Design School, Thammasat University].

Built Environment Research Associates Conference BERAC2022, Thammasat University:

- Benyaluck, S. & Jamieson, I.A. (2022). An Investigation into How to Make Designer Fashion in Thailand More Ethical and Sustainable.
- Chareonsuk, K., Jamieson, I.A., Marome, W. & Pongsuwan, S. (2022). An Investigation into Best Practice Room Design Measures for High-Density Residential Buildings in Bangkok Post COVID-19.
- Lorseethong, S., Wongwatharapaiboon, J., Jamieson, I.A. & Muangnapoh, K. (2022). An Investigation into How Agricultural Waste and Food Waste Can Be Utilized to Create A More Sustainable Fashion Industry In Thailand.
- Marquez, G.L.D., Jamieson, I.A., Tantiyaswasdikul, K. & Sornsaruht, P. (2022). An Investigation into Factors That Affect the Wellbeing of Overseas Filipino Workers Within Filipino Restaurants in Bangkok.
- Phocharoen, N., Thienthaworn, A., Jamieson, I.A. & Pasupa, S. (2022). The Use of Asynchronous Communication to Improve Work Productivity: The Case of Thai Design Agency During the COVID Pandemic.
- Pulsil, P., Jamieson, I.A., Wongwatharapaiboon, J. & Muangnapoh, K. (2022). An Investigation into How To Create A Sustainable Thai Lipstick Brand.
- Rattanaaroon, P. & Jamieson, I.A. (2022). Work-Life Balance in Bangkok, Thailand, During the COVID-19 Situation.
- Rattanadilok Na Phuket, P., Boonyanan, A., Jamieson, I.A. & Mongkol, K. (2022). A Study on the Effect of Streamed Concert Experiences on Generation Z Audience.
- Rattanapit, T., Wongwatharapaiboon, J., Jamieson, I.A. & Muangnapoh, K. (2022). An Investigation of Upcycled Materials Values from Agricultural Waste In Peri Urban Pandan Farm, Thailand.
- Ruangrungrong, N., Jamieson, I.A., Iamtrakul, P. & Sumanasrethakul, P. (2022). An Investigation Into Increasing Automotive Industry Innovation and Market Opportunities Through Developing Bio-Friendly Next-Generation Vehicles.
- Ruangwised, S., Thienthaworn, A., Jamieson, I.A. & Pasupa, S. (2022). Infographic Design To Support Health Communication: A Case Study of Thai Health Industry.
- Suksomjit, P., Tontisirin, N. & Jamieson, I.A. (2022). The Viability of Storytelling by Using Cartoon Media for Marketing Communication in Thailand.
- Wisetwong, P., Thienthaworn, A., Jamieson, I.A. & Pasupa, S. (2022). Investigation On Burnout Syndrome In Design Management students.
- Wongsaroj, R., Tontisirin, N. & Jamieson, I.A. (2022). Thai Consumers' Behaviour Using Video Streaming Platform During Covid-19 Pandemic: A Comparative Analysis of Netflix and Viu.
- Yi, Y., Irvine, K.N., Jamieson, I.A. & Ratchadawan, N.-K. (2022). Design Thinking to Integrate Community Development and Product Innovation: Case Study of a Pandan Farming Collective, Pathum Thani.

Built Environment Research Associates Conference BERAC2021, Thammasat University:

- Wongpittayanukul, S. & Jamieson, I.A. (2021). An Investigation into How to Create Smarter Multi-Generational Homes That Aid Wellbeing.
- Kunkhett, S., Jamieson, I.A., Wongwatharapaiboon, J. & Mongko, K. (2021). A Study of Sustainability for The Wedding Industry in Bangkok, Thailand.
- Teang, L., Wongwatharapaiboon, J., Irvine, K., Jamieson, I. & Rinchumphu, D. (2021). Modelling The Impact of Water Sensitive Urban Design on Pluvial Flood Management In A Tropical Climate.

Journal publication

- 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.

Built Environment Research Associates Conference BERAC2020, Thammasat University:

- Sisang, K., Jamieson, I., Wongwatharapaiboon, 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.
- Thaepunkulngam, 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.

- Kongjae, N. & Jamieson, I. (2020). Urban Agriculture Initiatives to Increase Food Security in Bangkok.

PRSCO 2019: The 16th Pacific Regional Science Conference Organization Summer Institute.

- 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.

Built Environment Research Associates Conference BERAC2019, Thammasat University:

- Wongchittaphok, C., Jamieson, I., Wongwatharapaiboon, J. & Chongcharoen, K. (2020). Proposed waste management guidelines for the fast fashion industry in Thailand.
- Chulerk, P., Wongwatharapaiboon, 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).
- Phongpipatkul, M. & Jamieson, I.A. (2019). The impact of food waste initiatives on urban resilience, well-being and inclusiveness.
- 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.
- 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.
- Wongchittaphok, C. & Jamieson, I.A. (2019). Proposed waste management guidelines for the fast fashion industry in Thailand. Conference Paper.
- Jamieson, I.A. (2019). Bioelectromagnetic Design: An Interdisciplinary Approach to Drive Innovation.

Book chapter:

- 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.

Book editor:

- Jamieson, I.A. (Ed.) (2015). *Small Medium Houses 3*. Li-Zenn Publications.

Conference proceedings:

- Jamieson, I.A., ApSimon, J. & Bell, S. (2011). Grounding & Human Health - a Review. *Journal of Physics: Conference Series*, 301(1).
- Jamieson, I.A. & Holdstock, J. (2010). Electromagnetic Phenomena and Health - a Continuing Controversy? *IOP Conference Series: Earth and Environmental Sciences*.
- Jamieson, I.A., ApSimon, J. & Bell, S. (2010). Building Health: The Need for Electromagnetic Hygiene?, *IOP Conference Series: Earth and Environmental Sciences*.
- Jamieson, I.A. (2010). Intelligent Communication: The Future of EMF Discourse and Risk Governance? *IOP Conference Series: Earth and Environmental Sciences*.

Journal publication:

- Jamieson, I.A. & Briggs, J. (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].

Journal publication:

- Jamieson, I.A., ApSimon, J., Jamieson, I., Bell, S. & Yost, J. (2007). The effects of electric fields on charged molecules and particles in individual microenvironments. *Atmospheric Environment*, 41(25), 5224-5235.

Conference publications:

- Jamieson, I.A., ApSimon, J. & Bell, S. (2008). Electrostatics in the environment: how they may affect health and productivity. *Electrostatics 2007*, 25 - 29 March 2007, Oxford, UK.
- Jamieson, I.A., Bell, S. & Holdstock, J. (2006). Electromagnetic Phenomena, Productivity, Health and Infection: The Potential Cost Benefits of low EMF Environments. *EL-TEX 2006*, 16 November 2006, Lodz, Poland.
- Jamieson, I.A. & Jamieson, I. (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.

Journal publications:

- Jamieson, I.A., ApSimon, J., Bell, S. & Yost, J. (2005). Interaction of Charged Molecules and Particles with Electromagnetic Fields in the Indoor Environment. *Indoor Air* 2005, 11(2), pp. 2515-2521. 4 -9 September 2005, Beijing, China.
- Jamieson, I.A. & Bell, S. (2005). Distorted Current-Flow - The Forgotten Factor in EMF Research? Part I. *European Biology and Bioelectromagnetics*, 1(1), 1-7.

WHO workshop:

- Jamieson, I.A. (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.

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

- Resilient Innovation
- Longevity and wellness
- 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

KU Leuven – Thammasat – WHO-Téchné International Multidisciplinary Summer School

Jamieson, I.A. (2022). 'Environmental Causes and Initiatives to Help Address COVID-19 and Other Infections'.

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.