

Ghislaine Boddington

MY AI HYBRID BIOTWIN Phase 1 - a series of invited keynotes, radio interviews, podcasts, lectures, panels and presentations around key research focus on digital human twins- our future data selves

My AI Hybrid BioTwin Phase 1 (Digital Human Twins – our future data selves) is a practice-led research programme of work is based on the innovative and topical concept of creating personalised digital human twins - AI-powered virtual counterparts that grow, learn, and evolve alongside their human partners. These twins will integrate real-time biometrics and artificial intelligence, offering support across personal, professional and health domains. This initiative contributes to the future of human-digital interaction, with a focus on bridging academic enquiry/research with practical application, public engagement, knowledge transfer and interdisciplinary collaboration.

The outputs below used content gained from the deep dive research to transfer knowledge into a range of audiences:-

- exploring existing digital human twins across multiple sectors and conducted deep dive research to examine the present state of the scenario
- examining the prospective potentials (positive and negative) of digital human twins in shaping identity, healthcare, professional development and lifelong learning
- enabling debate on the complex ethical, security, technical and privacy challenges involved.

These outputs build on Ghislaine Boddington's three decades of practice led research into the **representation of self in virtual and physical (hybrid) environments**, a body of work that has included innovative public facing installations and immersion experiences, collaborations between academia and industry and extensive knowledge exchange, included in the [Internet of Bodies Impact Case Study for University of Greenwich REF21](#). This long term work has culminated in a unique blended approach to research and knowledge exchange, which Ghislaine has successfully implemented across several large-scale programmes of work between 1998 and 2021 – please see these on [The Internet of Bodies](#) website, created for University of Greenwich REF21 and recently updated. This outlines other previous body led technology projects back to 1990s. This approach of culminative outputs not only advances current research but also enhances the practice and understanding of all participants of the timeline of these fast evolutions.

From REF21 Impact Case Study introduction - Ghislaine Boddington's research on the 'Internet of Bodies' has resulted in cross-sectoral impact, which has been transmitted through installations, large-scale curations, mentorships, public radio, keynotes and industry consultancies. Boddington's practise as research has shifted debates on the living body in the 21st century. Through the integration of embodied technologies, diverse futures and the immersion of the body within data, her work has changed attitudes and behaviours for beneficiaries in the arts and cultural sectors, creative and corporate sectors and, via broadcast media and live events, to the general public. By exploring how the live body can become a living digital interface she has expanded international debates on digital intimacy, identity, inclusivity and connected technological futures, changing attitudes by demystifying the Internet of Bodies into diverse and international audiences.

See links in text below to evidence of work of expert input and information on reach

KEYNOTES, PANEL MODERATIONS, KNOWLEDGE EXCHANGE

- [The BRAINS Lab Launch, Kingston University](#) – **Keynote Speaker** - 22 May 2023 on The Internet of Bodies - alive, connected and collective. (Launch event for 120 academics, policy makers and creative industry experts).
- [Synthetic Syntax Conference, Ars Electronica](#) - **Keynote Speaker** - 10 Sept 2023. The fourth edition of the symposium Synaesthetic Syntax presented different perspectives on haptic bodies, their impact, liveliness and procedures in the context of performance and concluded with a [keynote lecture by Ghislaine Boddington](#). (Inhouse and online audience of 250 – ongoing viewing online).
- **AACSB (Association to Advance Collegiate Schools of Business) Online Learning Affinity Group (OLAG)** - 21 Sept 2023. lecture on the future student and learning / teaching shifts in next decade linked to research project MY AI HYBRID BIOTWIN - University of Greenwich Business School.(Part of ongoing lecture series reaching out to the academic staff of 800 business schools worldwide).
- [Hybrid Presence Round Table 2](#) - **What is next for DHT Digital Human Twins?** - 19 Oct 2023. Ghislaine explored the near future potential of “owning and nurturing” our own AI Hybrid BioTwin. The challenge is associated with the convergence of several already existent digital human twin models used in medical, fitness, military and entertainment sectors and the aim is to bring together experts with this knowledge and explore the future speculative positive and negative potentials of our very own digital twin. (Invite only round table for 22 experts – academics and creatives).
- **Frequency International Festival of Digital Culture and University of Lincoln** - [The Meet Up AI + Exploration: Innovation and Inclusion](#) - 27 Oct 2024 - **preparation and moderation of a roundtable discussion**. A panel of experts and artists, led by award winning speaker and curator Ghislaine Boddington, explored how rapid innovation in AI is enabling artists and academics to explore and challenge the parameters of practice, inclusion and engagement through experimentation and engagement with audiences and visitors. Exploring how AI impacts creative practice, the opportunity these technologies present to nurture inclusion whilst navigating the ethical challenges and bias. Panel members included artists Tim Murray-Browne, Maria Mavropoulou and Beccy McCray and academics from the Lincoln Centre for Autonomous Systems Francesco Del Duetto and Professor Marc Hanheide. (50 round table participants – academics, artists, policy makers and creative industry experts).
- **Plexal, Here East** - Cyber Lates - 12 Dec 2023 - panel member “How to have a better relationship with the internet, take control of privacy, and protect ourselves from online harms”. (Audience of approx. 80 – tech hub members and local community.) (no link available).
- [BOLD Unconference Austria](#) - 12-17 June 2024, Austria - **invited participant, sub group member, presenter, panel member and Table Captain** - the flagship event of the BOLD Community organised by the Austrian Federal Economic Chamber. This initiative fosters

innovation and strengthens international collaboration, with its mission to shape tomorrow's economy. The conference brought together over 50 global visionaries from 27 countries involved in a range of sectors including business, research, policy-making, and the creative industries. The BOLD UnConference is an annual event that distinguishes itself through its dynamic and participatory nature. It serves as a platform where a curated group of innovative minds from the global BOLD Community come together to break down barriers and foster connections across industries and continents. Together we travelled throughout Austria, visiting the most innovative companies in the regions to create future solutions - Vienna, Burgenland, Styria and Carinthia. The topics covered ranged from production to climate neutrality to mobility and sustainability, all in connection with artificial intelligence (AI) evolutions. (Invited audiences of 250 across 4 regions of Austria and linked to Austrian Federal Economic Chamber – industry, policy and entrepreneurs).

RADIO / PODCASTS

Please note:- listener figures for the BBC radio shows listed below are hard to determine – often in the millions especially for BBC World Service shows – and shows often stay online as podcasts in BBC Sounds and BBC archives for onwards listeners to access.

- [BBC World Service Digital Planet](#) in March 2023. [“Digital identity: Where are we now?”](#) exploring and overviewing the biometric led digital identity systems fast emerging in various continents – from China to the US and India and Europe. The present day scenario is fragmented and confusing. It may seem that in some countries surveillance cameras are everywhere – recording almost our every move. We are using fingerprints and facial recognition to get access to our banking, work emails and even our healthcare systems. Alongside this rise in use comes a rapid increase in biometric data gathering, spurred on by contact tracing apps during Covid-19. But where is this very personal data going, who is using it and how. We bring together a panel of experts to discuss what’s happening now and what’s next for our biometric data – shouldn’t we be the ones in control of our own digital identity? Contributing expert Ghislaine Boddington will shed light on these questions and will be joined by Dr Stephanie Hare, author of *Technology is Not Neutral: A Short Guide to Technology Ethics*, Alice Thwaite, founder of the Hattusia consultancy and The Echo Chamber Club a philosophical research institute, and BBC China Editor Howard Zhang are all on the show. (25k podcast downloads, still online for listeners).
- [BBC Radio 3 - "Free Thinking"](#) – 7 June 2023 - Yellowface, AI and Asian **stereotypes** - invited expert to talk about the shifts in future identity through the lens of her work on digital human twins.
- [BBC Radio 4 - "Super Senses"](#) - 9 May 2023 - invited expert to talk about touch and intimacy in digital age.
- **University of Greenwich Generator** - [The Navigator - Mind over Machine](#) – 3 Oct 2024 - podcast exploring the limitless potential of AI in today's world, unravelling its impact on business, education, and society. Guests share their profound insights, experiences, and

practical advice, shedding light on how AI is shaping our future. The episode delved deep into the ethical implications but also vast potential of using AI in the future and how it will affect both education and the wider world. The episode boasts an impressive lineup of inaugural guests, including Jane Harrington, the Vice-Chancellor of The University of Greenwich, Carl Thomas, Enterprise Advisor, Ghislaine Boddington, Professor in Digital Immersion, and Neil Saunders, Senior Lecturer in Mathematical Sciences. Together, these guests provide diverse perspectives on the future of AI at the university and beyond. ([Online on University of Greenwich website](#))

- [BBC Radio 4 - "How to Spot Potential"](#) - 18 Oct 2023 - invited expert on future skills for young people linked to innovative digital tools, including AI companions for education and work searches. Ghislaine Boddington discusses the concept of digital twins, our very own personalised form of AI
- **Ongoing - "Fast Forward:- tech past, tech futures" podcast series** (June to August 2023) Examining transformative shifts that emerging technologies are bringing to our bodies, minds and behaviours, this international series features engaging conversations with global experts, unlocking future visions. From avatars to women in gaming, to technology's impact on family dynamics. (Global reach within business and corporate sectors - approx 160k downloads with 90 plus press outlets.)
- **Ep. 4 - "Extended self - our future digital twins":** Uncover the transformative power of personalised body data and the boundless possibilities it offers. What about the lack of diversity of the data available? Guests: [Michael D. Geer](#), Co-Founder of [Humanity Inc.](#) and [Marija Butkovic](#), Founder of [Women of Wearables \(wearables, health tech & femtech\)](#).
- **Ep. 5 - "Cyborg Shifts – embedding technologies into our bodies":** Discover groundbreaking advancements in cyborg technology, as prostheses and implants converge, creating opportunities for shifts towards cyborg existences. Guests: [Dani Clode](#), [University of Cambridge](#) and trans-species artist [Neil Harbisson](#).

"Boddington paints a fascinating picture of a world and believes that our quest to augment our existence and indulge in new experiences will lead us to turn our bodies into "digital interaction canvas." Alice Bonasio (Editor in Chief Tech Trends)

"Ghislaine Boddington believes fully that body intelligence is a key part of making collective intelligence work and she's spent the past 30 years proving it. Beautiful, elegant, funny and dynamic, Ghislaine speaks 70+ times a year around the world and serves as a frequent advisor for universities, organizations, major tech companies and start-ups." Western Bonime (Forbes)

"Ms Boddington is a pioneer in immersive technology, which emulates the physical environment through a digital or simulated world. [Her] vision of the future is one where people talk interchangeably about their digital and physical selves, a world in which microchips embedded under your skin enable you to have a physical relationship with another person remotely." Serena Tarling (Financial Times)

Ghislaine Boddington, School of Design, University of Greenwich – to June 2024