



The
InsightBureau

Dr AYESHA KHANNA

Artificial Intelligence and Technology
Advisor ▪ Author

*A speaker with her eye on our
intelligent future: technology,
innovation and 21st century skills*

Dr AYESHA KHANNA

Her Expertise



- **Ayesha Khanna** is an **artificial intelligence and technology expert** advising companies and governments on smart cities, future skills, fintech, and other emerging industries. She spent more than a decade on Wall Street advising product innovation teams developing large scale trading, risk management and data analytics systems.
- Ayesha is CEO and Co-Founder of **ADDO AI**, an artificial intelligence advisory firm and incubator that helps companies to **innovate, optimise and grow**. Previously, she served as CEO of The Keys Global, an innovative education hub that matched students with leading companies to apply their skills in **coding, robotics, and 3D printing**.
- Ayesha served on the Singapore **Ministry of Education's Steering Committee** on future skills and applied learning (2014)
- She spent time as the Senior Editor of **Look Ahead**, a series on global innovation trends in **The Economist**.
- Ayesha also founded the **Hybrid Reality Institute**, a research and advisory group focused on human-technology co-evolution and its implications for global business, society, business and government.
- She also directs the **Future Cities Group** at the London School of Economics and is a Faculty Advisor at Singularity University. She is on the Board of Advisors for **Humanity+** and is a Fellow at the **Institute for Ethics and Emerging Technologies**.
- Ayesha has been **widely published** and quoted on technology, innovation and smart cities in the *New York Times*, *BusinessWeek*, *TIME*, *Newsweek*, *Forbes*, *Harvard Business Review*, *Strategy+Business*, *Foreign Policy*, *The Straits Times* and *BigThink*. She is author of *Straight Through Processing for Financial Services* (2008) and co-author of *Hybrid Reality: Thriving in the Emerging Human-Technology Civilization* (2012).

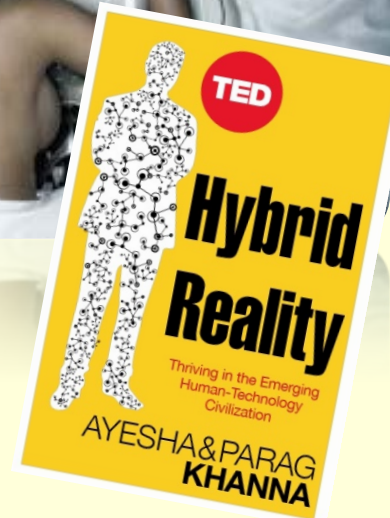
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On Hybrid Reality

What human civilization needs more than greater IQ or EQ, is **TQ: technology quotient**. *Hybrid Reality*, explores the **frontier of the information revolution**: the Hybrid Age. In this era of disruptive technologies, accelerating change, and deep anxiety about the future, he explains how the **“balance of innovation”** has superseded the military “balance of power” as a measure of national potential. The smartest countries, cities, and companies are **harnessing new technologies** to gain an edge.

Each of us also needs better TQ to adapt to a new future in which robots are normal social actors in our lives, healthcare becomes a vehicle for physical enhancement, academic pedigree dissolves in a global skills market, and virtual currencies enable tax-free transactions. Whether the future is a dystopian global class struggle over technology or a Pax Technologica of transparency, **access and equity** will depend on spreading TQ above all else.

“Hybrid Reality effortlessly bridges many examples of our deepening entanglement with technology – from avatars to augmented reality to social robots – with profound and plausible scenarios for how our very sense of self will change. This book will prepare you for the future.” - Jeremy Bailenson, Director, **Stanford University**



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Speaking Topics



Our Intelligent Future: In just three decades between 1990 and 2020, the internet will have grown from linking just a few experts in labs to connecting the entire human species through computers and mobile phones as well as billions of objects into an "Internet of Things," a seamless web of infinite data. As a result, we have transitioned from the familiar Information Age into the uncertain Hybrid Age, an era in which technology is rapidly becoming ubiquitous, intelligent, and social, radically transforming our societies, markets, and governance. Ayesha Khanna's vast expertise on the intersection of technology, business models, and market trends covers major pillars of this intelligent future, including energy and infrastructure, markets and consumers, work, living, and governance.

Innovation in Energy & Infrastructure: Sustainability has become the dominant theme of the early 21st century. To successfully transform societies toward lower consumption and greater productivity requires, first and foremost, increasing our urban intelligence through smart grids that connect offices, homes, and traffic lights into an energy saving and generating eco-system. "Smart cities" are emerging all over the world, from greenfield developments such as Songdo in Korea and Tianjin Eco-City in China to retrofit districts in Stockholm, Hamburg, and Rio de Janeiro. Ayesha Khanna's research has taken her to over a dozen of the world's most advanced infrastructure projects from which she vividly presents high-tech sustainability strategies.

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Speaking Topics (CONTD)

Technology, Markets & Consumers: Innovation is once again a buzzword among leading corporations, yet many have failed to realize that the future lies not just in innovating products but, more importantly, in innovating experiences. Based on growing online interaction, consumers now expect a real-time, personalized, and social experience as part of the every product offered. Augmented reality, collaborative consumption, gamification, and sensors embedded in apparel are all examples of how products are being tailored to location, personality, and preferences, while also allowing consumers to share feedback through social networks. Leveraging her decade of experience advising companies on digital strategy, Ayesha Khanna presents the cutting-edge brands from East and West whose products will dominate the emerging intelligent marketplace.



Intelligent Work: Corporate management faces dramatic challenges today: an aging workforce, talent shortages, and rising competition from emerging markets. The only way to maximize the skills and ambitions of employees is to enable systems of collaboration called "virtual teams" irrespective of division or geography. The new "soft architecture" of the workplace includes Telepresence monitors, social robots, and software platforms which allow for virtual networked cooperation among globally mobile employees and contractors. Based on her research into virtual team dynamics, Ayesha Khanna provides an overview of the most successful talent sourcing and management techniques used in both large companies like Johnson & Johnson and Google as well as small-scale start-ups.

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Speaking Topics (CONTD)

Disruptive Governance: Social networks have unleashed citizen revolutions from Barack Obama's presidential campaign to the Arab Spring in the Middle East. Rather than succumb to waves of unforeseen pressure, clever mayors from New York and Paris to Dubai and Singapore are deploying elaborate digital strategies to streamline government services and create citizen engagement platforms. An entirely new kind of governance is emerging: through partnership with private sector entrepreneurs, software programmers, and bottom-up social movements, government increasingly operates through interactive dashboards that identify policy and investment needs and respond efficiently. Ayesha Khanna highlights the most innovative digital government initiatives around the world and provides detailed lessons for officials, businesses, and civil society in advancing to the next stage of collaborative governance.



Smart Living: In an age of information overload, we now need interactive machines to help us analyze and extract maximum value from all the data we collect about ourselves. From the smart home to the smart car, we are moving beyond a one-way relationship with technology towards interacting with machines using natural gestures and voices, and even trusting them with personal information. The most significant impact of such machines will be felt in healthcare, where data collected from wearable devices will monitor everything from our blood pressure to our moods. In order to partake of the intelligent revolution, each of us must consciously fashion our daily lives and personal living spaces to accommodate and take advantage of new data streams and applications rapidly coming to market. Ayesha Khanna presents some of the most popular and effective applications and devices that are saving people time and money while improving longevity and welfare.

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key facts

- CEO and Co-Founder of **ADDO AI**
- **Co-Author** of *Hybrid Reality*
- Professional **Speaker** on Technology & Innovation

Formerly

- CEO- **Technology Quotient** – developing content and technology platforms, providing consulting on innovation mindset
- Senior Editor of **Look Ahead** global innovation trends at **The Economist**
- Founder & Director, **Hybrid Reality Institute**
- Board of Advisors for **Humanity+**
- **Fellow** at the Institute for Ethics and Emerging Technologies

- **BA** in Economics from **Harvard University**
- **MS** in Operations Research from **Columbia University**
- **PhD** in Information Systems and Innovation from the **London School of Economics**

Flies from **Singapore**

Speaks to conferences, client forums and conducts management briefings



Speaking Topics:

- **AI and the Future of Business:** what are the key industries and jobs of the future and how will worked compete against automation and robots?
- **Hybrid Reality:** how humans will need to interact with emerging technologies as they disrupt and transform our society, businesses and governments.
- **Smart Cities of the Future:** how technology will recreate the urban environment, changing the way we live, work and innovate.

Useful links for Ayesha Khanna:

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Andrew Vine
CEO
The Insight Bureau
Appointed Agency

Speaking & Moderating Requests:

+65-6300-2495

engage_us@insightbureau.com