IET
The Institution of Engineering and Technology

Trust in a digital world
Webinar

To register, click here:
theiet.org/digital-trust-registration
Tuesday 24 March 2020, 1pm – 2pm

As a forerunner in thought leadership, we bring together experts to inspire, inform and influence our members, engineers and technicians, and all those who are touched by, or touch, the work of engineers. With an aim to provide a home for digital engineering as both a specialism and a toolset for engineers, the IET supports innovation, and the application of technologies and engineering solutions.

The nature of trust is going through an evolution as it becomes inherently tied to technology and our increasingly digital lives. The consequences are both wonderful and fearful. We are keen to involve you in the conversation with fellow experts from industry, government and academia.

Your views are important to us

There is a whole host of areas that the IET is active in, including artificial intelligence, cyber security and applied visualisation to name a few. If you are interested in helping us gather knowledge and intelligence from across the profession to deliver thought leadership, as part of our charitable remit, then get in touch. We welcome your views and collaboration both today and beyond to help us achieve this. This ensures that we can keep professionals and wider society reliably informed about the key issues of today, while horizon-scanning to understand the trends and developments that will impact the engineers of the future.

For more information, contact Ahmed Kotb, IET's Strategic Lead for Digital, at akotb@theiet.org

Establishing trust

The governance of technology and innovation should be both trustworthy and trusted. Establishing digital trust needs to be an essential component when developing new technologies and is referred to as building consumer confidence.

– While developing plans for regulation, it is important to be active on the international scene.
– Government should consider mandating additional guidelines to increase baseline security.

Improving supply chain trust via network virtualisation

Consolidation in the telecommunications industry has significantly reduced the number of suppliers in network domains. The digital supply chain is exposed to risks such as the impact of the COVID-19 virus and geo-politics.

– Virtualisation technology makes it easier for small, innovative start-ups to create and supply network functions.
– An industrial strategy that nurtures Software Defined Networking could significantly improve supply chain resilience.

The Internet of Things (IoT) and trust

Consumer confidence is critical for IoT to thrive and scale. Many of IoT products, however, are built using low-cost hardware and installed in untrusted locations, increasing their vulnerability to cyber-attacks. IoT is becoming important in transforming cities but there is a risk that any compromised vulnerability within devices could result in harm on a large scale.

– Engineers, developers and users of IoT devices and systems have a responsibility to address security challenges.
– A regulatory framework in the IoT marketplace could strengthen trust and enable innovation.

Our speakers

Alec Broers

Professor Lord (Alec) Broers FREng FRS Kt DL, sponsor of the event, was Master of Churchill College from 1990-1996 and was Vice-Chancellor of the University of Cambridge from 1996-2003. He was knighted in 1998 and made a Life Peer in 2004. He has served on the boards of several high technology start-up companies and is presently on the Board of FlexEnable, a company that is pioneering the applications of flexible plastic electronics.

Danielle George

Professor Danielle George, IET Deputy President, is a Professor of Radio Frequency Engineering and Vice Dean for Teaching and Learning in the Faculty of Science and Engineering at the University of Manchester. Danielle's research is dedicated to solving one of the 14 world engineering grand challenges of the 21st century; engineering the tools for scientific discovery.

Chris Chambers

Chris Chambers has worked for the BBC for 49 years, Capital Projects and been the chair of several technical groups in the European Broadcasting Union. At BBC R&D, he ran a team of researchers looking at the development of IT networking and storage for large scale media production, developing strategies in high performance media systems for UHD production.

Sylvia Lu

Sylvia Lu is an award-winning engineer with over 11 years' industry experience in wireless communications R&D, cellular modem developments, global standards, technology strategy and innovation. Sylvia has been critically instrumental in the evolution of cellular connectivity standards for the Internet of Things to enable economies of scale.

Gavin Young

Gavin Young is responsible within Vodafone Group for the fixed broadband access technology strategy, architecture, standards and deployment best practices across 17 countries. Gavin serves on the IET Communications Policy Panel, the Ofcom Spectrum Advisory Board and the Broadband Forum's executive advisory board. He is an IEEE member, Fellow of the IET and Distinguished Fellow of the Broadband Forum.

Chris Gill

Chris Gill is a Chartered Engineer, board member of Ascension Island Services, BBC Technology, and Marquis Media Partners to name a few. He is an internationally experienced media industry executive with a history as a visionary leader and proven value as a strategic advisor. Chris has enabled the digital transformation of business, its organisational activities, processes, competencies and models over a highly successful 30-year career.

The IET's Digital Panel

Our programme of thought leadership is driven by our expert volunteer panels. The work of the panels supports the IET's charitable function by channelling the expertise of our members for the advancement of engineering, feeding directly into government and industry, bringing the wider benefits to the attention of society. The panel seeks to engage discussions in areas linked to our expertise to deliver thought leadership. Focusing on some core areas of digital, we connect the three main areas: digital disruption, engineering a future and societal impact.

For further details please visit **theiet.org/digital**

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