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CHRONICLE OF DIGITAL TRANSFORMATION (DT) THROUGH INTERNET OF THINGS TECHNOLOGIES

Some biweekly perspectives on DT from around the globe gathered by CDAIT - 50 added for this Digest (3400 entries since April 1, 2022) https://cdait.gatech.edu/sites/default/files/2025-02/Digital_Transformation_Through_IoT_Technologies_end-of-february-2025.pdf

GOVERNANCE & THE INTERNET OF THINGS

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Rob Bhatt, "How IoT devices are crafting personalized insurance policies," Digital Insurance, February 20, 2025 <https://www.dig-in.com/opinion/iot-devices-are-crafting-personalized-insurance-policies>

Carsten Krause, "Introduction: The Data Explosion and Governance Imperative For Your Organization," Medium, February 15, 2025 <https://medium.com/@carsten.krause/by-carsten-krause-february-15-2025-introduction-the-data-explosion-and-governance-imperative-1cedf4d25bd9>

Milton Mueller, "So Much for Global Governance of AI...," Georgia Tech School of Public Policy, Internet Governance Project, February 14, 2025 <https://www.internetgovernance.org/2025/02/14/so-much-for-global-governance-of-ai/>

Mark Young, Paul Maynard & Shona O'Donovan, "ICO [The UK Information Commissioner's Office] announces its online tracking strategy for 2025," Covington Global Policy Watch, February 13, 2025 <https://www.globalpolicywatch.com/2025/02/13/ico-announces-its-online-tracking-strategy-for-2025/>

Cyber Security Asia (CSA) posting, "With 60% of Businesses Anticipating a Cyber Breach in 2025, Organisations Must Prioritise Resilience Strategies with a Zero Trust Architecture," CSA, February 12, 2025 <https://cybersecurityasia.net/zscaler-organisations-prioritise-zero-trust/>

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Biweekly IoT News Digest (02/25 - 2)

Georgia Tech IoT-related Info/Research Noticed by CDAIT

- Allen, Taylor, Ari Horwitz, and Stephen Sprigle "Leveraging AI and customer reviews to evaluate technology used by people with disabilities," Disability and Rehabilitation: Assistive Technology (published online February 16 2025): 1-9 <https://www.tandfonline.com/doi/full/10.1080/17483107.2025.2465603>
- Murphy, Dennis, and Lawrence Rubin, "The Fourth Industrial Revolution and International Security," Survival 67, no. 1 (published online February 7, 2025): 159-172 <https://www.tandfonline.com/doi/abs/10.1080/00396338.2025.2459203>
- Cristaldo, Liz Araceli, Eva Petitdemange, Matthieu Lauras, and Benoit Montreuil, "Questioning the relevance of using Physical Internet for managing autonomous train shuttles in rural areas," Transportation Research Procedia 82 (available online January 9, 2025): 779-790 <https://www.sciencedirect.com/science/article/pii/S2352146524003697>
- Georgia Tech AI Fest, The Historic Academy of Medicine at Georgia Tech | March 26-28, 2025, info here: <https://sites.gatech.edu/techaifest/>

IoT News and Market Reports

(Second Half of February 2025)

- Selected IoT-related announcements and featured activities/topics gathered by CDAIT from governments; agencies; consortia; alliances; associations; standards, research and other similar groups around the world - 13 entries: https://cdait.gatech.edu/sites/default/files/2025-02/IoT_News_Filings_February_2025_Second_Half.pdf
- Sample list of IoT-related market reports gathered by CDAIT - 50 entries: https://cdait.gatech.edu/sites/default/files/2025-02/IoT_Market_Reports_February_2025_Second_Half.pdf

OF NOTE: U.S. Chamber of Commerce press release, "Shaping the Future: U.S. Chamber's Quantum Policy Vision," U.S. Chamber of Commerce, February 19, 2025 <https://www.uschamber.com/technology/u-s-chamber-quantum-policy-principles>

Special Reading Suggestions

- Sudhanshu Mittal, "Smart Factories and Automation in India - How IoT and AI are driving efficiency in Indian Manufacturing," Express Computer, February 25, 2025 <https://www.expresscomputer.in/guest-blogs/smart-factories-and-automation-in-india-how-iot-and-ai-are-driving-efficiency-in-indian-manufacturing/122106/>
- Martin Taylor, "How IoT Will Drive Better CX [Customer Experience]," contact-centres.com, February 24, 2025 <https://contact-centres.com/how-iot-will-drive-better-cx/>
- Carl Ford, "Are Data Scientists in the Wrong Position at the Right Time for AIOT?" IoT Evolution, February 24, 2025 <https://www.iotevolutionworld.com/iot/articles/461932-data-scientists-the-wrong-position-the-right-time.htm>
- TimesTech, "The Booming Internet of Things Market: A Decade of Explosive Growth," TimesTech, February 20, 2025 <https://timestech.in/the-booming-internet-of-things-market-a-decade-of-explosive-growth/>
- Kogan Page and Tim Murphy, "How to use IoT for marketing," TechTarget, February 20, 2025 <https://www.techtarget.com/searchcustomerexperience/feature/How-to-use-IoT-for-marketing>
- Takeshi Niwa, "2024 Cellular IoT Module Market Update," IoT Business News, February 19, 2025 <https://iotbusinessnews.com/2025/02/19/02010-2024-cellular-iot-module-market-update/>
- ANI press release, "India to shift focus from energy to AI, IoT and semiconductors: Piyush Goyal," CFO [Economic Times], February 19, 2025 <https://cfo.economicstimes.indiatimes.com/news/india-to-shift-focus-from-energy-to-ai-iot-semiconductors-piyush-goyal/118378823>
- Dhaval Gajjar, "Open Source AI Frameworks: Integrating AI with IoT," Open Source for U, February 18, 2025 <https://www.opensourceforu.com/2025/02/open-source-ai-frameworks-integrating-ai-with-iot/>
- Mark Brohan, "AI, analytics and IoT are top priorities for procurement managers," Digital Commerce 360, February 17, 2025 <https://www.digitalcommerce360.com/2025/02/17/procurement-priorities-managers-2025/>
- Ryan Daws, "From shelf to sale: How IoT solutions keep retail fresh," IoT Tech News, February 17, 2025 <https://iottechnews.com/news/from-shelf-to-sale-how-iot-solutions-keep-retail-fresh/>
- James Blackman, "Cellular IoT's annus horribilis could get worse - some vendors down 50%," RCR Wireless News, February 13, 2025 <https://www.rcrwireless.com/20250213/internet-of-things/cellular-iot-annus-horribilis>

Selected IoT Perspectives IoT Regulation

"Regulatory compliance overall is nothing new in IoT, with long-established requirements to comply with device certification and product safety rules, for instance. However, as IoT increasingly underpins critical infrastructure and sensitive applications, and security sensitivities increase, regulatory requirements are expanding in scope and complexity. These changes highlight the need for organisations to treat compliance not as an ancillary concern but as a central aspect of IoT strategy," Matt Hatton, "Regulatory compliance continues to be the most critical theme in IoT," IoT Now, December 4, 2024 <https://www.iot-now.com/2024/12/04/148392-regulatory-compliance-continues-to-be-the-most-critical-theme-in-iot/>

- Carsten Rhod Gregersen, "Which IoT Regulator Will the Rest of the World Follow?" EE Times, February 26, 2025 <https://www.eetimes.com/which-iot-regulator-will-the-rest-of-the-world-follow/>
- Sharif Barakat, Yaseen Alattas, and Siraj Ibrahim Nazer, "Transforming governance, risk, and compliance in the digital era," Consultanc-me.com, February 26, 2025 <https://www.consultancy-me.com/news/10300/transforming-governance-risk-and-compliance-in-the-digital-era>
- Christoph Nüßing, Mercedes Samavi, Alistair Maughan, Andreas Grünwald, Timon Boerner, Jens Hackl, Stephan Kreß, Michelle Si-Ting Luo and Georgia Wright, "European Digital Compliance: Key Digital Regulation & Compliance Developments," Morrison Foerster, February 19, 2025 <https://www.mfo.com/resources/insights/250218-european-digital-compliance-key-digital-regulation-compliance>
- Carsten Rhod Gregersen, "IoT's Regulatory Reckoning Is Overdue," Dark Reading, January 6, 2025 <https://www.darkreading.com/ics-ot-security/iot-regulatory-reckoning-overdue>
- U.S. Government Accountability Office (GAO), "Internet of Things: Federal Actions Needed to Address Legislative Requirements," GAO, December 4, 2024 <https://www.gao.gov/products/gao-25-107179>
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