GT CDAIT
Biweekly IoT News Digest (05/25 – 1)

Digest is compiled by Alain Louchez, CDAIT Co-founder & Director Emeritus

CHRONICLE OF DIGITAL TRANSFORMATION (DT) THROUGH INTERNET OF THINGS TECHNOLOGIES (IoT in Context)
Some biweekly perspectives on DT from around the globe gathered by CDAIT - 50 added for this Digest (3650 entries since April 1, 2022) https://cdait.gatech.edu/sites/default/files/2025-05/Digital_Transformation_Through_IoT_Technologies_as-of-Mid-May-2025.pdf

GOVERNANCE & THE INTERNET OF THINGS

Sead Fadilpašić, "**Outdated and unsecured IoT devices are a serious risk for UK businesses**," Techradar, May 12, 2025 https://www.techradar.com/pro/security/outdated-and-unsecured-iot-devices-are-a-serious-risk-for-uk-businesses

Tanya Rashmi, "**The Smart City Revolution: How IoT Is Redefining Urban Living**," Timestech.in, May 9, 2025 https://timestech.in/the-smart-city-revolution-how-iot-is-redefining-urban-living/

Jimson Olufuye, "**WSIS [World Summit on Information Society]+20: IGF [Internet Governance Forum], EC [Enhanced Cooperation], GDC [Global Digital Compact] and the future of digital**," The Guardian [Nigeria], May 8, 2025 https://guardian.ng/opinion/wsis20-igf-ec-gdc-and-the-future-of-digital/

Neil Trim, "**Securing IoT Deployments: The Case for Private Networks**," Technology Reseller, May 7, 2025 https://technologyreseller.uk/securing-iot-deployments-the-case-for-private-networks/

Inkl posting, "**Internet of Things in Smart Education**," Inkl, May 5, 2025 https://www.inkl.com/news/internet-of-things-in-smart-education

CISO Advisory, "**The CISO's Role in Securing IoT in a Connected World**," Cyber Security News, May 2, 2025 https://cybersecuritynews.com/securing-iot-for-cisos/#google_vignette

Tom Field, "**Global Tensions Spark Surge in Cyberthreats to IoT, Cloud**," Gov Info Security, May 2, 2025 https://www.govinfosecurity.com/global-tensions-spark-surge-in-cyberthreats-to-iot-cloud-a-28223

Corneliu Tobescu, "**IoT Threat Protection Is a Shared Ecosystem Responsibilty**," Tech Briefs, May 1, 2025 https://www.techbriefs.com/component/content/article/53021-iot-threat-protection-is-a-shared-ecosystem-responsibility

IoT News and Market Reports
(First Half of May 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 – 15 entries: https://cdait.gatech.edu/sites/default/files/2025-05/IoT_News_Filings_May_2025_First_Half.pdf

- Sample list of IoT-related market reports gathered by CDAIT – 50 entries: https://cdait.gatech.edu/sites/default/files/2025-05/IoT_Market_Reports_May_2025_First_Half.pdf

Georgia Tech IoT-related Info/Research Noticed by CDAIT

- Lee, Seung Yoon, Dongseop Lee, Yueping Zhang, Wonbin Hong, and Nima Ghalichechian, "**History and the Latest Progress in Antenna Packaging Technology: Part 1. Multilayer Solutions,**" IEEE Antennas and Propagation Magazine (published May 12025) https://ieeexplore.ieee.org/abstract/document/10981695

- Al Jamal, Hani, Theodore W. Callis, Aline Eid, Kexin Hu, Genaro Soto-Valle, Marvin Joshi, Jimmy GD Hester, and Manos M. Tentzeris, "**Additively Manufactured FHE-Enabled Antennas and Reconfigurable/Phased Antenna Arrays for Communications, Sensing, and Energy Harvesting,**" IEEE Transactions on Antennas and Propagation (published April 30, 2025) https://ieeexplore.ieee.org/abstract/document/10981543

- Kenney, Noah M., and Annie I. Antón. "**Educating the Next Generation of Ethical AI Practitioners,**" In Journal of The Colloquium for Information Systems Security Education, vol. 12, no. 1, pp. 6-6. Published April 20, 2025 https://cisse.info/journal/index.php/cisse/article/view/200

OF NOTE: IoT Solutions World Congress (IOTSWC) 2025, May 13–15, 2025, Barcelona (Spain)'s Gran Via Venue – LoRa Alliance press release, "**LoRaWAN® in Action!,**" LoRa Alliance https://events.lora-alliance.org/lorawan-in-action-iotswc2025; Pablo Valerio, " **Barcelona Hosts Global Tech Leaders at IOTSWC,**" EE Times, May 9, 2025; https://www.eetimes.com/barcelona-hosts-global-tech-leaders-at-iotswc/ Automation.com posting, "**IOTSWC Brings Together the Latest Solutions to Accelerate the Digitalization of the Industry,**" automation.com, May 8, 2025 https://www.automation.com/en-us/articles/may-2025/iotswc-latest-solutions-accelerate-digitalization?listname=Automation%20&%20Control%20News%20&%20Articles; Alice Chambers, "**IOT Solutions World Congress 2025: connecting to the next level,**" Technology Record, March 24, 2025 https://www.technologyrecord.com/article/iot-solutions-world-congress-2025-connecting-to-the-next-level

Special Reading Suggestions

- David Greenfield, "**Developing an MES and Industrial Internet of Things Data Platform Strategy**," Automation World [podcast 22:54], May 13, 2025 https://www.automationworld.com/podcasts/aw-podcasts/podcast/55289387/critical-manufacturing-developing-an-mes-and-industrial-internet-of-things-data-platform-strategy

- Scarlett Evans, "**IoT Adoption Is Accelerating, but Cost Remains Key Barrier**," IoT World Today, May 9, 20-25 https://www.iotworldtoday.com/connectivity/iot-adoption-is-accelerating-but-cost-remains-key-barrier

- NDTV Profit Tech, "**Agentic AI, IoT Security, Humanoid Robots Among Forrester's Top Emerging Technologies For 2025,**" NDTV Profit, May 8, 2025 https://www.ndtvprofit.com/technology/agentic-ai-iot-security-humanoid-robots-among-forresters-top-emerging-technologies-for-2025

- Nikita Kumari, "**Smart connectivity: The new competitive advantage,**" BIS Infotech, May 7, 2025 https://www.bisinfotech.com/smart-connectivity-the-new-digital-twins-competitive-advantage/

- TimesTech posting, "**Printed and Flexible Sensors Shaping the Future of Wearable and IoT Tech,**" TimesTech, May 7, 2025 https://timestech.in/printed-and-flexible-sensors-shaping-the-future-of-wearable-and-iot-tech/

- Assem Jakhar, "**Are IoT Devices the New Attack Vector for Ransomware Groups?**" Bank Info Security, May 5, 2025 https://www.bankinfosecurity.com/are-iot-devices-new-attack-vector-for-ransomware-groups-a-28280

- Andre Revilla, "**4 inexpensive IoT devices that I've found are actually useful in your smart home,**" XDA, May 3, 2025 https://www.xda-developers.com/inexpensive-iot-devices-actually-useful-in-your-smart-home/

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Selected IoT Perspectives
Internet of Things in the hospitality industry

" In recent years, the concept of smart hotels has emerged as a significant trend in India's hospitality industry, transforming the way guests experience their stays. These hotels leverage advanced technologies like the Internet of Things (IoT), artificial intelligence (AI) and automation to create a seamless and personalised experience. Upon entering a smart hotel, guests can interact with voice-activated assistants, adjust room settings like lighting, temperature and entertainment through mobile apps or in-room tablets and even check-in or check-out without visiting the front desk." BW Online Burean, "**The Smart Hotel Revolution,**" BW Hotelier, January 6, 2025 https://www.bwhotelier.com/article/the-smart-hotel-revolution-543999

- EHL Hospitality Business School, "**Exploring the Future of Hospitality: The Influence of Technology on Guest Experiences and Operations**," Hotel News Resource, November 22, 2024 https://www.hotelnewsresource.com/article134202.html

- Smita Jain, "**How automation is reshaping hospitality**," ET Hospitality World, November 7, 2024 https://hospitality.economictimes.indiatimes.com/news/speaking-heads/how-automation-is-reshaping-hospitality/115040840

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- Qualityzeal posting, "**IoT Testing: How IoT is Revolutionizing the Hospitality Industry (Use Cases and Benefits),**" Qualityzeal, September 3, 2024 https://qualizeal.com/iot-testing-how-iot-is-revolutionizing-the-hospitality-industry-use-cases-and-benefits/

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May 15, 2025