



Digest is compiled by Alain Louchez,
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**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
(3800 entries since April 1, 2022)
https://cdait.gatech.edu/sites/default/files/2025-06/Digital_Transformation_Through_IoT_Technologies_as-end-of-June-2025.pdf

GOVERNANCE & THE INTERNET OF THINGS

Evertiq posting, "Cybersecurity in IoT: Mandatory [in the European Union] from August 2025," Evertiq, June 24, 2025 <https://evertiq.com/news/2025-06-24-cybersecurity-in-iot-mandatory-from-august-2025>

David Sella-Villa, "How Internet of Things devices affect your privacy – even when they're not yours," The Conversation, June 24, 2025 <https://theconversation.com/how-internet-of-things-devices-affect-your-privacy-even-when-theyre-not-yours-251592>

John Davidson, "AI agents' could turn out to be as useless as The Internet of Things," Financial Review, June 24, 2025 <https://www.afr.com/technology/thinking-of-finally-making-your-home-smart-read-this-first-20250618-p5m8kf>

Mirko Zorz, "Strategies to secure long-life IoT devices," Help Net Security, June 20, 2025 <https://www.helpnetsecurity.com/2025/06/20/rob-ter-linden-signify-iot-devices-network-security/>

European Commission press release, "2025 State of the Digital Decade report urges renewed action on digital transformation, security and technological sovereignty," European Commission, June 16, 2025 <https://digital-strategy.ec.europa.eu/en/news/2025-state-digital-decade-report-urges-renewed-action-digital-transformation-security-and>

On June 16, 2025, the United Kingdom Information Commissioner's Office (the "ICO") published its draft guidance on Internet of Things products and services [open for consultation until September 7, 2025], Hunton Privacy & Information Security Blog, "UK ICO Publishes Draft Guidance on Internet of Things Products and Services," Hunton, June 16, 2025 <https://www.hunton.com/privacy-and-information-security-law/uk-ico-publishes-draft-guidance-on-internet-of-things-products-and-services>

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Biweekly IoT News Digest (06/25 – 2)

Georgia Tech IoT-related Info/Research Noticed by CDAIT

IoT News and Market Reports

(Second Half of June 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/2025-06/IoT_News_Filings_June_2025_Second_Half.pdf
- Sample list of IoT-related market reports gathered by CDAIT – 50 entries: https://cdait.gatech.edu/sites/default/files/2025-06/IoT_Market_Reports_June_2025_Second_Half.pdf

- Baru, Abdurrahman, Marwan M. Shagar, Anshi Vajpayee, Graham J. Moore, Jin Lee, and Eunhua Yang, "Predicting and Enhancing Indoor Environmental Quality in Educational Environments: Latest Trends in AI and Machine Learning Applications," Proceedings of the 23rd CIB World Building Congress, 19th – 23rd May 2025, Purdue University, West Lafayette, USA https://www.researchgate.net/profile/Abdurrahman-Baru/publication/392713104_Predicting_and_Enhancing_Indoor_Environmental_Quality_in_Educational_Environments_Latest_Trends_in_AI_and_Machine_Learning_Applications/links/684f179311be4823fbd8acc/Predicting-and-Enhancing-Indoor-Environmental-Quality-in-Educational-Environments-Latest-Trends-in-AI-and-Machine-Learning-Applications.pdf
- Wang, Shu, and Roger J. Jiao, "Cognitive intelligent task allocation for human-automation symbiosis in Industry 5.0 manufacturing systems via non-cooperative game theory: a bi-level optimization approach," The International Journal of Advanced Manufacturing Technology 136, no. 3 (2025): 1717-1739 <https://link.springer.com/article/10.1007/s00170-024-14890-0>

OF NOTE: Amardeep Rawat, "IoT-based Remote Patient Monitoring System – Benefits, Features, Development Process, Costs," Appinventiv, June 20, 2025 <https://appinventiv.com/blog/iot-based-remote-patient-monitoring-system/> -- See also Niloy Banerjee, "The Internet of Things (IoT) in Medicine," TimesTech, June 25, 2025 <https://timestech.in/the-internet-of-things-iot-in-medicine/>

Special Reading Suggestions

- Jessica Raney, "Security or chaos? Why IoT doesn't Work Without a Reliable Power Supply," Home Briefings, June 28, 2025 <https://homebriefings.com/why-iot-doesnt-work-without-a-reliable-power-supply/>
- Stan Gray, "Dispelling the Myth that 5G will Replace Wi-Fi for IoT," The Fast Mode, June 25, 2025 <https://www.thefastmode.com/expert-opinion/42881-dispelling-the-myth-that-5g-will-replace-wi-fi-for-iot>
- Nikita Kumarai, "Industrial IoT: The New Backbone of Resilient Supply Chains," BIS Infotech, June 22, 2025 <https://www.bisinfotech.com/industrial-iot-the-new-backbone-of-resilient-supply-chains/>
- Ketki Dongare, "Role of Digital Twins in IoT: Revolutionizing Various Sectors Globally," TimesTech, June 20, 2025 <https://timestech.in/role-of-digital-twins-in-iot-revolutionizing-various-sectors-globally/>
- Ray Sharma, "5G-A Powers All-Scenario IoT to Enable Intelligent Connections for All," The Fast Mode, June 19, 2025 <https://www.thefastmode.com/technology-solutions/42724-5g-a-powers-all-scenario-iot-to-enable-intelligent-connections-for-all>
- Mark Lovett, "How AI-Powered Edge Computing Is Revolutionizing IoT Security," NewsWatch, June 17, 2025 <https://newswatchtv.com/2025/06/17/how-ai-e2e80%91powered-edge-computing-is-revolutionizing-iot-security/>
- Eric Hugo, "The internet of forgotten things – where IoT failure hits hardest (Reader Forum)," RCR Wireless, June 16, 2025 <https://www.rcrwireless.com/20250617/internet-of-things/iot-of-forgotten-things>
- Deepal Mehta, "IoT sensors catapult from data collection to decision making," Fierce Electronics, June 16, 2025 <https://www.fierceelectronics.com/sensors/iot-sensors-catapult-data-collection-decision-making>

Selected IoT Perspectives Internet of Things in the Retail Industry

"The retail industry is undergoing a transformative shift, driven by the integration of IoT technologies. Retailers are leveraging IoT to offer personalized shopping experiences, manage inventory efficiently, and implement smart checkout systems. These innovations are enhancing customer satisfaction and operational efficiency, propelling the retail sector towards a more data-driven and customer-centric approach. The global IoT in retail market is expected to reach \$27.4 billion by 2025, growing at a CAGR of 20% (Electro IQ). IoT-enabled personalized marketing can increase sales by 10-30%, highlighting the significant impact of IoT on retail performance." Cogent Infotech blog, "10 IoT Trends Poised to Transform Industries in 2025," Cogent Infotech, February 4, 2025 <https://www.cogentinfo.com/resources/10-iot-trends-poised-to-transform-industries-in-2025>

- Wavetech, "The Intersection of IoT and Digital Transformation in Retail," Wavetech, June 13, 2025 <https://www.wavetec.com/blog/intersection-of-iot-and-digital-transformation-in-retail/n>
- Wise Guy Report press release, "Internet of Things in Retail Market to Reach USD 100.0 Billion and Growing at a CAGR of 11.25% by 2032," Industry Today, June 10, 2025 <https://industrytoday.co.uk/it/internet-of-things-in-retail-market-to-reach-usd-1000-billion-and-growing-at-a-cagr-of-1125-by-2032>
- Rustam Irzaev, "IoT in the Retail Industry: Smart Technologies Reshaping Shopping," Mobidev, May 21, 2025 <https://mobidev.biz/blog/iot-in-retail-industry-use-cases-implementation>
- Tektelic, "Smart Retail: What is IoT Retail and what are its benefits," Tektelic, March 21, 2025 <https://tektelic.com/expertise/smart-retail/>
- Sergei Nikonenko, "IoT in Retail Industry: Real Applications, Trends, and Costs for Implementing IoT in Your Business," Purrrweb, January 17, 2025 <https://www.purrrweb.com/blog/iot-in-retail/>

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<https://cdait.gatech.edu>



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