



Digest is compiled by Alain Louchez,
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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 (3200 entries since April 1, 2022) https://cdait.gatech.edu/sites/default/files/2025-01/Digital_Transformation_Through_IoT_Technologies_April_1_2022__through_Mid_January_2025.pdf

GOVERNANCE & THE INTERNET OF THINGS

Justice Okamgba, "Businesses now prioritise cybersecurity over cost-cutting - GSMA," Punch, January 13, 2025 <https://punchng.com/businesses-now-prioritise-cybersecurity-over-cost-cutting-gsma/>

Lavie Lashmanan, "FCC Launches 'Cyber Trust Mark' for IoT Devices to Certify Security Compliance," The Hacker News, January 8, 2025 <https://thehackernews.com/2025/01/fcc-launches-cyber-trust-mark-for-iot.html>

Carsten Rhod Gregersen, "IoT's Regulatory Reckoning Is Overdue," Dark Reading, January 7, 2025 <https://www.darkreading.com/ics-ot-security/iot-regulatory-reckoning-overdue>

Eileen Guo, "What's next for our privacy?" MIT Technology Review, January 7, 2025 <https://www.technologyreview.com/2025/01/07/1109301/privacy-protection-data-brokers-personal-information/>

Jean-Pierre Joosting, "WBA [Wireless Broadband Alliance] Wi-Fi predictions for 2025 cover IoT, 5G and AI," EE News, January 6, 2025 <https://www.eenewseurope.com/en/wba-wi-fi-predictions-for-2025-cover-iot-5g-and-ai/>

Liu Ying, "IoT new engine of socioeconomic development," China Daily, January 4, 2025 <https://www.chinadaily.com.cn/a/202501/04/WS67788448a310f1265aid8f08.html>

Jessica Rosenworcel, "2024 in Review: A Note from the Chairwoman," FCC, December 31, 2024 <https://www.fcc.gov/news-events/notes/2024/12/31/2024-review-note-chairwoman>

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Biweekly IoT News Digest (01/25 - 1)

Georgia Tech IoT-related Info/Research Noticed by CDAIT

IoT News and Market Reports

(First Half of January 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/2025-01/IoT_News_Filings_January_2025_First_Half.pdf
- Sample list of IoT-related market reports gathered by CDAIT - 50 entries: https://cdait.gatech.edu/sites/default/files/2025-01/IoT_Market_Reports_January_2025_First_Half.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 (2025): 1-23 <https://link.springer.com/article/10.1007/s00170-024-14890-0>
- Chow, Ka-Ho, Sihao Hu, Tiansheng Huang, and Ling Liu, "Personalized Privacy Protection Mask Against Unauthorized Facial Recognition," In European Conference on Computer Vision, pp. 434-450. Springer, Cham, 2025 https://link.springer.com/chapter/10.1007/978-3-031-73007-8_25
- Blonz, Joshua, Karen Palmer, Casey J. Wichman, and Derek C. Wietelman. 2025. "Smart Thermostats, Automation, and Time-Varying Prices," American Economic Journal: Applied Economics, 17 (1): 90-125 <https://www.aeaweb.org/articles?id=10.1257/app.20210618>

OF NOTE: Ryan Daws, "IoT in 2025: Digital twins, mesh networks, VR, and more," IoT Tech News, January 13, 2025 <https://iottchnews.com/news/iot-in-2025-digital-twins-mesh-networks-vr-and-more/>; Syed Ali, "IoT Predictions for 2025: Smarter Asset Management and Streamlined Operations," RFID Journal, January 9, 2025, <https://www.rfidjournal.com/expert-views/iot-predictions-for-2025-smarter-asset-management-and-streamlined-operations/222573/>; Jeremy Gosteau, "Three trends shaping cellular IoT - Sequans on 2025," RCR Wireless, January 7, 2025 <https://www.rcrwireless.com/20250107/fundamentals/cellular-iot-trends-2025-sequans/>; Charlie Ice, "Seven Wireless Trends That Will Shape [the IoT landscape in] 2025," NXP, January 2, 2025 <https://www.nxp.com/company/about-nxp/smarter-world-blog/BL-SEVEN-WIRELESS-TRENDS>; Marc Cavinsky, "IoT Trends to Watch in 2025: The Rise of Ambient Intelligence and Hyper-Personalized Ecosystems," IoT Business News, December 30, 2024 <https://iotbusinessnews.com/2024/12/30/64200-iot-trends-to-watch-in-2025-the-rise-of-ambient-intelligence-and-hyper-personalized-ecosystems/>; Tom Coughlin, "7 top IoT trends to watch in 2025 and beyond," ELE Times, December 27, 2024 <https://www.techtarget.com/iotagenda/opinion/IoT-trends-to-keep-an-eye-on>; Chinmayee Deshpande, "Top 20 Ultimate Internet of Things (IoT) Projects for 2025," Simplilearn, December 25, 2024 <https://www.simplilearn.com/internet-of-things-iot-projects-article>

Special Reading Suggestions

- George Jones, "Key Takeaways from CES 2025: Innovations in Semiconductors, IoT, and Autonomous Driving," Woodside Capital Partners, January 9, 2025 <https://woodsidecap.com/key-takeaways-from-ces-2025-innovations-in-semiconductors-iot-and-autonomous-driving/>
- Nidhi Dhull, "The Role of IoT in Intelligent Green Buildings," AZO Build, January 10, 2025 <https://www.azobuild.com/news.aspx?newsID=23681>
- Brent at Adafruit, "ICYMI (In case you missed it) - Adafruit IoT Monthly: The 2024 Recap Issue!," Adafruit, January 9, 2025 <https://blog.adafruit.com/2025/01/09/icymi-adafruit-iot-monthly-the-2024-recap-issue/>
- Johan Terve, "How Mobile Operators Can Unlock the True Value of Cellular IoT," The Fast Mode, January 7, 2025 <https://www.thefastmode.com/expert-opinion/38883-how-mobile-operators-can-unlock-the-true-value-of-cellular-iot>
- Joe O'Halloran, "G+D looks to turn packages into IoT devices with Smart Label," Computer Weekly, January 6, 2025 <https://www.computerweekly.com/news/366617812/GD-looks-to-turn-packages-into-IoT-devices-with-Smart-Label>
- Ken Figueredo, "2024 in Review: Wider Factors are Enveloping the IoT Industry," IoT Business News, January 6, 2025 <https://iotbusinessnews.com/2025/01/06/06232-2024-in-review-wider-factors-are-enveloping-the-iot-industry/>
- Saleem Ahmed, "Career Opportunities in IoT: A World of Innovation and Growth," TimesTech [India], January 3, 2025 <https://timestech.in/career-opportunities-in-iot-a-world-of-innovation-and-growth/>
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Selected IoT Perspectives Internet of Things and Supply Chain

"The global supply chain networks are facing unprecedented difficulty and transformation, necessitating the adoption of Industry 4.0 technology to analyze and provide solutions. The Internet of Things (IoT) technology is the most prominent among these solutions, offering a range of advantages to the supply chain industry," Sudeep Srivastava, "IoT in Supply Chain and Logistics - Benefits, Use Cases and Challenges," Appinventiv, November 28, 2024 <https://appinventiv.com/blog/iot-in-logistics-and-supply-chain-management/>

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- Logistics Business posting, "Smart Logistics: IoT is the Future of Supply Chains," Logistics Business, December 11, 2024 <https://www.logisticsbusiness.com/it-in-logistics/ai-iot-smart-logistics-iot-is-the-future-of-supply-chains/>
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- Santhosh Reddy, "How is IoT reshaping the supply chain industry in India?" CXO Today, March 28, 2024 <https://cxotoday.com/specials/how-is-iot-reshaping-the-supply-chain-industry-in-india/>

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<https://cdait.gatech.edu>



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