



Digest is compiled by Alain Louchez,
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CHRONICLE OF DIGITAL TRANSFORMATION THROUGH INTERNET OF THINGS TECHNOLOGIES

Some biweekly perspectives from
around the globe gathered by
CDAIT

(2300 entries since April 1, 2022)

https://cdait.gatech.edu/sites/default/files/2024-03/Digital_Transformation_Through_IoT_Technologies_March_31_2024.pdf

GOVERNANCE & THE INTERNET OF THING

Nigel Cory, "Why the United States and EU Should Seize the Moment to Cooperate on Cybersecurity Labeling for IoT Devices," Information Technology & Innovation Foundation (ITIF), March 28, 2024 <https://itif.org/publications/2024/03/28/why-us-eu-should-cooperate-on-cybersecurity-labeling-for-iot-devices/>

Ranjan Pal (MIT Sloan School of Management) and Bodhibrata Na (Indian Institute of Management Calcutta), "Considering insurance to manage IoT-driven catastrophic cyber-risk," Forbes India, Updated March 28, 2024 <https://www.forbesindia.com/article/im-calcutta/considering-insurance-to-manage-iotdriven-catastrophic-cyber-risk/92177/1>

Cynthia Croet, "EU Policy. Commission to work on standards for high-risk IoT products under cyber rules," Euronews, March 21, 2024 <https://www.euronews.com/next/2024/03/21/commission-to-work-on-standards-for-high-risk-iot-products-under-cyber-rules>

Melissa Heikkilä, "The AI Act is done. Here's what will (and won't) change," MIT Technology Review, March 19, 2024 <https://www.technologyreview.com/2024/03/19/1089919/the-ai-act-is-done-heres-what-will-and-wont-change/>

Milan Shetti, "What the Digital Operational Resilience Act means for you," CIO, March 18, 2024 <https://www.cio.com/article/2066498/what-the-digital-operational-resilience-act-means-for-you-2.html>

NHK World Japan posting "[Japanese] Govt. to raise security risk for IoT devices," NHK World Japan, March 17, 2024 https://www3.nhk.or.jp/nhkworld/en/news/20240318_22/

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Biweekly IoT News Digest (3/24 – 2)

Georgia Tech IoT-related Info/Research Noticed by CDAIT

IoT News and Market Reports

(Second Half of March 2024)

- 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 – 16 entries:
https://cdait.gatech.edu/sites/default/files/2024-03/IoT_News_Filings_March_2024_Second_Half.pdf
- Sample list of IoT-related market reports gathered by CDAIT – 65 entries: https://cdait.gatech.edu/sites/default/files/2024-03/IoT_Market_Reports_March_2024_Second_Half.pdf

OF NOTE: Knud Lasse Lueth, "State of IoT Spring 2024: 10 emerging IoT trends driving market growth," IoT Analytics [Hamburg, Germany], March 14, 2024 <https://iot-analytics.com/state-of-iot-10-emerging-iot-trends-driving-market-growth/>; IoT Analytics press release, "Top 10 IoT & telco trends—as seen at MWC [Mobile World Congress, Barcelona, February 26-29, 2024]," IoT Analytics, March 28, 2024 <https://iot-analytics.com/wp/wp-content/uploads/2024/03/INSIGHTS-RELEASE-Top-10-IoT-telco-trends%E2%80%94as-seen-at-MWC-2024.pdf>

Special Reading Suggestions

- Caurie Putnam, "Potential of Internet of Things is booming, but personal info could be at risk," Rochester Business Journal, March 28, 2024 <https://rbj.net/2024/03/28/potential-of-internet-of-things-is-booming-but-personal-info-could-be-at-risk/>
- Patrick Brusnahan, "The Internet of Things: still relevant for financial services?" Private Banker International, March 28, 2024 <https://www.privatebankerinternational.com/features/the-internet-of-things-still-relevant-for-financial-services/?cf-view>
- Jonathan Symcox, "2024 MediaTech Insights report: Are you ready for 'IoT on steroids'?" Business Cloud, March 25, 2024 <https://businesscloud.co.uk/news/2024-mediatech-insights-report-are-you-ready-for-iot-on-steroids/>
- Scarlett Evans, "IoT Deals and Partnerships: Deloitte, Sateliot and More," IoT World Today, March 25, 2024 <https://www.iotworldtoday.com/connectivity/iot-deals-and-partnerships-deloitte-sateliot-and-more>
- Aniket Fasate, "IoT Roadmap 2024: Paving the Future of Smart Technology Integration," Medium, March 24, 2024 <https://medium.datadriveninvestor.com/iot-roadmap-2024-paving-the-future-of-smart-technology-integration-7dca73002652>
- Genia Turanova, "From AI to IoT: How 5G is transforming the tech industry," Curzio Research, March 18, 2024 <https://www.curzioresearch.com/from-ai-to-iot-how-5g-is-transforming-the-tech-industry/>
- Emily Newton, "What Drives the Evolution of IoT in Fleet Management Today?" Global Trade Magazine, March 18, 2024 <https://www.globaltrademag.com/what-drives-the-evolution-of-iot-in-fleet-management-today/>
- Adelio Lattuada Srl, "Robotic Solutions, IOT and Automatic Machines In Glass Grinding," Glass on Web, March 18, 2024 <https://www.glassonweb.com/article/robotic-solutions-iot-and-automatic-machines-glass-grinding>
- Antoinette Hodes, "Comment | Dual Perspectives: Two Sides of AI in Industrial IoT," Digit News, March 15, 2024 <https://www.digit.fyi/comment-dual-perspectives-two-sides-of-ai-in-industrial-iot/>

Selected IoT Perspectives

The Internet of Things and Technical Debt

"In software development, or any other IT field technical debt is the implied cost of future reworking required when choosing an easy but limited solution instead of a better approach that could take more time. Analogous with monetary debt, if technical debt is not repaid, it can accumulate "interest", making it harder to implement changes." [Source: Wikipedia] --- "With the advent and growing prevalence of Internet of Things (IoT), this has led to the problem of technical debt becoming more acute. Previously, when systems were self-contained and with low connectivity, it was possible to keep technical debt relatively isolated. However, with IoT-enabled devices, not only is the sheer number of systems increasing, but technical debt becomes compounded. The technical sacrifices in individual devices themselves were not a problem, but taken a whole, the issue is much more apparent."

Niroshan Rajadurai, "Technical debt in the world of Internet of Things," Coders Kitchen, April 30, 2020 <https://www.coderskitchen.com/technical-debt-in-the-world-of-internet-of-things-iot/>

- Shiva Nathan, "App Developers Are Spending Too Much Time on Upkeep," DevPro Journal, August 8, 2023 <https://www.devprojournal.com/software-development-trends/app-developers-are-spending-too-much-time-on-upkeep/>
- Sanjay Brahmawar, "The new opportunity for legacy IoT users," IoT Business News, March 9, 2023 <https://iotbusinessnews.com/2023/03/09/91595-the-new-opportunity-for-legacy-iot-users/>
- Gigi Onag, "IoT deployments a top cause of technical debt in 2021," FutureIoT, January 20, 2022 <https://futureiot.tech/iot-deployments-a-top-cause-of-technical-debt-in-2021/>
- James Stranger, "The Internet of Things (IoT) and Technical Debt: Why It Matters," CompTIA, August 14, 2019 <https://www.comptia.org/blog/the-internet-of-things-iot-and-technical-debt-why-it-matters>
- Pierre Debois, "Beware of Technical Debt in IoT Projects," CMSWire, November 29, 2018 <https://www.cmswire.com/digital-experience/beware-of-technical-debt-in-iot-projects/>

Research background info (sample): Nicolli Rios, Rodrigo Spínola, and Guilherme Travassos, "Exploring Technical Debt on IoT Software Projects," SBQS '22: Proceedings of the XXI Brazilian Symposium on Software Quality November 2022 Article No.: 10 Pages 1–10 <https://doi.org/10.1145/3571473-3571495>; F. A. Fontana and I. Pigazzini, "Evaluating the Architectural Debt of IoT Projects," 2021 IEEE/ACM 3rd International Workshop on Software Engineering Research and Practices for the IoT (SERP4IoT), Madrid, Spain, 2021, pp. 27–31, doi: 10.1109/SERP4IoT52556.2021.00011 <https://ieeexplore.ieee.org/document/9516817>

<https://cdait.gatech.edu>



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