



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
(3450 entries since April 1, 2022)
https://cdait.gatech.edu/sites/default/files/2025-03/Digital_Transformation_Through_IoT_Technologies_mid-march-2025.pdf

GOVERNANCE & THE INTERNET OF THINGS

Ted Shorter, "Adapting to the
quantum shift: Trends in
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<https://www.intelligentciso.com/2025/03/10/adapting-to-the-quantum-shift-trends-in-encryption-and-iot-security/>

Ariana Lynn, "MWC 2025 [Barcelona,
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Updates: Breaking News from
March 7 2025 | GSMA Announces
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<https://www.thefastmode.com/conferences-expos-and-trade-shows/39935-mwc-2025-live-updates>

Keval Varia, "IoT PKI [Public Key
Infrastructure] and Certificate
Management: Guide to Securing
IoT and OT Identities," Security
Boulevard, March 5, 2025
<https://securityboulevard.com/2025/03/iot-pki-and-certificate-management-guide-to-securing-iot-and-ot-identities/>

Jeffrey Burt, "Eleven11bot Captures
86,000 IoT Devices for DDoS
Attacks," Security Boulevard, March
5, 2025
<https://securityboulevard.com/2025/03/eleven11bot-captures-86000-iot-devices-for-ddos-attacks/>

Melody Smith, "Data Stewards in
the Age of Emerging
Technologies," TaxoDiary, March 3,
2025
<https://taxodiary.com/2025/03/data-stewards-in-the-age-of-emerging-technologies/>

US Congressman Rick Allen (GA-12)
press release, "Congressman Allen
Introduces the Spectrum Pipeline
Act of 2025," RW Allen website,
January 23, 2025
<https://allen.house.gov/news/documentsingle.aspx?DocumentID=6616>

GT CDAIT Biweekly IoT News Digest (03/25 – 1)

Georgia Tech IoT-related Info/Research Noticed by CDAIT

IoT News and Market Reports

(First Half of March 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/2025-03/IoT_News_Filings_March_2025_First_Half.pdf
- Sample list of IoT-related market reports gathered by CDAIT – 50 entries: https://cdait.gatech.edu/sites/default/files/2025-03/IoT_Market_Reports_March_2025_First_Half.pdf

- Chen, Ying-Jung, Wenwen Li, Louis-Martin Losier, Christopher Tucker, Krzysztof Janowicz, Tien-Yin Jimmy Chou, Rajat Shinde et al. "Thirty Years of the Open Geospatial Consortium-History, Present, and Future," (2025) <https://eartharxiv.org/repository/view/8623/>
- Asensio, Omar Isaac, Catherine E. Moore, Nicola Ulibarri, Mecit Can Emre Simsekler, Tian Lan, and Gonzalo Rivero. "Data technologies and analytics for policy and governance: a landscape review," Data & Policy 7 (2025): e25. <https://www.cambridge.org/core/journals/data-and-policy/article/data-technologies-and-analytics-for-policy-and-governance-a-landscape-review/DA6B7A105B992526E8B9BCAA93947B82>
- Zhao, Minda, Brian Rongqing Han, Xin Chen, and Tao Zhu, "A Simple Solution to Improving Human Supervision of Algorithms: Evidence from Smart Vending," Available at SSRN 5139524 (2025) https://papers.ssrn.com/sol3/papers.cfm?abstract_id=5139524

OF NOTE: Christina Patsioura, "IoT and mobile operators: progress and pain points," GSMA Intelligence, March 2025 [sign in or register for a free public account required to access this report] <https://www.gsmainelligence.com/research/iot-and-mobile-operators-progress-and-pain-points>

Special Reading Suggestions

- Samaya Dharmaraj, "Indonesia: IoT-Based Chicken Coop System Enhances Productivity," OpenGov Asia, March 15, 2025 <https://opengovasia.com/2025/03/15/indonesia-iot-based-chicken-coop-system-enhances-productivity/>
- Catherine Sbeglia Nin, "How will Wi-Fi 7 support the future of IoT?" RCR Wireless, March 11, 2025 <https://www.rcrwireless.com/20250311/fundamentals/wi-fi-7-future-of-iot>
- James Blackman, "IoT failed because the romantics were in charge – it is different now," RCR Wireless, March 11, 2025 <https://www.rcrwireless.com/20250311/internet-of-things/iot-failed-different-now>
- Wayne Vandekraak, "Automated Retail is Booming: Here's How IoT Connectivity is Making it Happen," The Fast Mode, March 9, 2025 <https://www.thefastmode.com/expert-opinion/40126-automated-retail-is-booming-here-s-how-iot-connectivity-is-making-it-happen>
- Adafurit, "ICYMI – March 2025 Adafruit IoT Monthly: Wearables for Kids, The Humane AI Pin, and more!" Adafruit, March 7, 2025 <https://blog.adafruit.com/2025/03/07/icymi-march-2025-adafruit-iot-monthly-wearables-for-kids-the-humane-ai-pin-and-more/>
- TimesTech, "IoT Wireless Sensors: Shaping the Future of a Smarter, Connected World," TimesTech, March 6, 2025 <https://timetech.in/iot-wireless-sensors-shaping-the-future-of-a-smarter-connected-world/>
- Prashanth Bhushan, "5G Monetization via IoT: a Beginner's Framework," The Fast Mode, March 5, 2025 <https://mail.aol.com/d/list/referrer=newMail&folders=1&accountIds=1&listFilter=NEWMAIL/messages/APyOR3Aoh8PMZ8hOUwYiUKB8DEo>
- Faisal Ishaq, "The future of telecom Part 2: Proactive 5G and IoT monetization strategies (Reader Forum)," RCR Wireless, March 4, 2025 <https://www.rcrwireless.com/20250304/5g/5g-and-iot>
- Kaveri Shandrashekar, "IoT, edge computing, and AI: Experts discuss the intersection of pathbreaking technologies," Your Story, March 3, 2025 <https://yourstory.com/2025/03/experts-discuss-pathbreaking-technologies-intersection>
- Krishna Seth, "Optimizing Large-Scale IoT Deployments: Best Practices for Efficiency and Security," March 1, 2025 <https://www.analyticsinsight.net/internet-of-things/optimizing-large-scale-iot-deployments-best-practices-for-efficiency-and-security>

Selected IoT Perspectives IoT and eSIM Technology

"We are seeing some huge changes in the IoT. There's a lot of standardization that is fighting to be adopted. The GSMA recently adopted a new eSIM standard called SDG-32. This is going to effectively combine both the IoT eSIM standard and the consumer eSIM standard into one standard," Gregory Gundelfinger, "Unlocking the future of connectivity: eSIM and IoT innovations," Fierce Network, February 19, 2025 <https://www.fierce-network.com/sponsored/unlocking-future-connectivity-esim-and-iot-innovations>

- Communications Today (CT) Bureau, "ATT unveils global SIMadvanced to enhance IoT operations worldwide," CT, March 5, 2025 <https://www.communicationstoday.co.in/att-unveils-global-sim-advanced-to-enhance-iot-operations-worldwide/>
- Tereza Krásová, "BICS [Proximus Global] sees many opportunities [in the IoT space] from eSIMs, but awareness still low," LightReading, March 4, 2025 <https://www.lightreading.com/iot/bics-sees-many-opportunities-from-esims-but-awareness-still-low>
- Luc Vidal-Madjar, "The incoming standard that will turn the tide for IoT eSIM adoption," IoT Insider, February 19, 2025 <https://www.iotinsider.com/iot-insights/technical-insights/the-incoming-standard-that-will-turn-the-tide-for-iot-esim-adoption/>
- Bee Hayes-Thakore, "Discovering the OEM Success for IoT eSIM Devices with SGP.32," Kigen, February 17, 2025 <https://kigen.com/resources/blog/sgp-32-iot-esim-certification-and-oem-success/>
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- Satyajit Sinha, "The role of eSIM for IoT: Better security, simplified roaming, and easier provisioning—but only 33% of cellular IoT devices use it," IoT Analytics, October 14, 2024 <https://iot-analytics.com/role-of-esim-for-iot-better-security-simplified-roaming-easier-provisioning/>

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