



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

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
(3100 entries since April 1, 2022)
https://cdait.gatech.edu/sites/default/files/2024-11/Digital_Transformation_Through_IoT_Technologies_November_30_2024.pdf

GOVERNANCE &
THE INTERNET OF THINGS

Boston University Metropolitan
College press release, "MET
Cybersecurity Program Earns
Department of Justice Research
Grant to Develop Internet of
Things Investigation Training
Courses," Boston University,
November 25, 2024
<https://www.bu.edu/met/news/met-cybersecurity-program-earns-department-of-justice-research-grant-to-develop-internet-of-things-investigation-training-courses/>

Captain Compliance posting,
"Contextual Privacy Policies
(CPP): The Next Evolution in Data
Governance," Captain Compliance,
November 25, 2024
<https://www.captaincompliance.com/education/contextual-privacy-policies-cpp-the-next-evolution-in-data-governance/>

Jatin Grover, "Self-regulation in AI
models on the cards -- The TEC
[India's Telcom Engineering Centre]
has recommended a risk-based
approach to evaluate robustness of AI
systems, which is similar to the
European Union Artificial Intelligence
Act," Financial Express, November 23,
2024
<https://www.financialexpress.com/business/digital-transformation-self-regulation-in-ai-models-on-the-cards-3674308/>

Harsh Gour, "Guarding the IoT
frontier: Cybersecurity risks and
strategies," The Leaflet [India],
November 22, 2024
<https://theleaflet.in/digital-rights/law-and-technology/guarding-the-iot-frontier-cybersecurity-risks-and-strategies>

Jed Waters, "The Future of IIoT:
Stuart Frost on the Evolution of
Data Management in Industrial
Settings," TechBullion, November 22,
2024
<https://techbullion.com/the-future-of-iiot-stuart-frost-on-the-evolution-of-data-management-in-industrial-settings/>

North Iowa Today (NIT) publisher,
"Understanding the Importance of
Industrial IoT Data Management,"
NIT, November 17, 2024
<https://northiowatoday.com/2024/11/17/understanding-the-importance-of-industrial-iiot-data-management/>

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Biweekly IoT News Digest (11/24 – 2)

Georgia Tech IoT-related Info/Research Noticed by CDAIT

IoT News and Market Reports

(Second Half of November 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 – 15 entries: https://cdait.gatech.edu/sites/default/files/2024-11/IoT_News_Filings_November_2024_Second_Half.pdf
- Sample list of IoT-related market reports gathered by CDAIT – 50 entries: https://cdait.gatech.edu/sites/default/files/2024-11/IoT_Market_Reports_November_2024_Second_Half.pdf

OF NOTE: Kathy Pretz, "Predictions From IEEE's 2024 Technology Megatrends Report AI, digital transformation, and sustainability will reshape society," IEEE Spectrum, November 16, 2024 <https://spectrum.ieee.org/preieee-2024-technology-megatrends-report>; Transforma Insights posting, "Transforma Insights Announces IoT Transition Topics for 2025," IoT for all, November 19, 2024 <https://www.iotforall.com/press-releases/transforma-insights-announces-iiot-transition-topics-for-2025>

Special Reading Suggestions

- James Blackman, "Has cellular IoT failed? Is it destined to fail? Big questions after AT&T axes NB-IoT," RCR Wireless, November 26, 2024 <https://www.rcrwireless.com/20241126/internet-of-things-4/end-nb-iiot-att>
- Angela Scott-Briggs, "The Role of Telecom in Driving IoT Adoption Across Industries," TechBullion, November 26, 2024 <https://techbullion.com/the-role-of-telecom-in-driving-iiot-adoption-across-industries/>
- Simon Wright, "IoT: Why Surfing the Internet of Things Wave is a Giant Channel Opportunity," Unified Communications Today, November 26, 2024 <https://www.uctoday.com/unified-communications/iiot-why-surfing-the-internet-of-things-wave-is-a-giant-channel-opportunity-gamma/>
- London Daily News (LDN) posting, "Transforming healthcare with IoT: From remote monitoring to smart hospitals," LDN, November 23, 2024 <https://www.londondaily.news/transforming-healthcare-with-iiot-from-remote-monitoring-to-smart-hospitals/>
- Praveen Arora, "IoT asset tracking: Redefining efficiency in Indian manufacturing," Manufacturing Today, November 22, 2024 <https://www.manufacturingtodayindia.com/iiot-asset-tracking-redefining-efficiency-in-indian-manufacturing>
- Mike Dano, "AT&T to discontinue NB-IoT, but T-Mobile and Verizon keep the faith," LightReading, November 20, 2024 <https://www.lightreading.com/iiot/at-t-to-discontinue-nb-iiot-but-t-mobile-and-verizon-keep-the-faith>
- Business World posting, "Internet of Things (IoT) Conference 2024 revs up the movement toward smarter IoT-ready Philippines," Business World, November 19, 2024 <https://www.bworldonline.com/spotlight/2024/11/19/635919/internet-of-things-iiot-conference-2024-revs-up-the-movement-toward-smarter-iiot-ready-philippines/>
- Kunal Garg, "Harnessing IoT and Real-Time Diagnostics: Accelerating EV Adoption in India with Affordable," Timestech, November 18, 2024 <https://timestech.in/harnessing-iiot-and-real-time-diagnostics-accelerating-ev-adoption-in-india-with-affordable/>
- Rebecca, "TechnologyIoT Revolution: The Most Groundbreaking Industrial Applications Reshaping Manufacturing in 2024," Tech Bullion, November 18, 2024 <https://techbullion.com/iiot-revolution-the-most-groundbreaking-industrial-applications-reshaping-manufacturing-in-2024/>

Selected IoT Perspectives The Internet of Things in buildings

"The rise of the Internet of Things (IoT) is reshaping industries worldwide, and building management systems (BMS) are no exception. Traditionally, BMS has been centered on manual operations and isolated systems, often leading to inefficiencies and increased operational costs. Today, IoT-enabled smart building technology is transforming how buildings are managed, making them more efficient, sustainable, and responsive." IoT Business News posting, "How IoT is Revolutionizing Building Management Systems," IoT Business News, September 26, 2024 <https://iiotbusinessnews.com/2024/09/26/70780-how-iiot-is-revolutionizing-building-management-systems/>

- Akensa AG posting, "How IoT Sensors Optimize a Building Management System," IoT for all, November 13, 2024 <https://www.iotforall.com/how-iiot-sensors-optimize-a-building-management-system>
- Alex Passett, "Learn About All Things LoRa and In-Building Connectivity at IoT Evolution Expo 2025," IoT Evolution World, October 25, 2024 <https://www.iotevolutionworld.com/iiot/articles/461186-learn-all-things-lora-in-building-connectivity-iiot.htm>
- 7Nox posting, "The Future of Building Internet of Things (BIIoT): Transforming Smart Buildings," 7Nox, August 1, 2024 <https://7nox.com/the-future-of-building-internet-of-things-biiot-transforming-smart-buildings/>
- Fred Whipp, "How IoT Sensors and AI are Revolutionizing Smart Buildings," Buildings, April 10, 2024 <https://www.buildings.com/smart-buildings/iiot/article/55010925/how-iiot-sensors-and-ai-are-revolutionizing-smart-buildings>

Research background info (sample) – 2024 sources: Chaudhari, Pratiksha, Yang Xiao, Mark Ming-Cheng Cheng, and Tieshan Li, "Fundamentals, Algorithms, and Technologies of Occupancy Detection for Smart Buildings Using IoT Sensors," Sensors 24, no. 7 (2024): 2123 <https://www.mdpi.com/1424-8220/24/7/2123>; Ożadowicz, Andrzej, "Generic IIoT for Smart Buildings and Field-Level Automation—Challenges, Threats, Approaches, and Solutions," Computers 13, no. 2 (2024): 45 <https://www.mdpi.com/2073-431X/13/2/45>; Raman, Ravi Shankar, A. B. Gurulakshmi, Lavish Kansal, Ramesh Banoth, Ankit Meheta, Ali Abdullhusein Hameed, and K. Maniraj, "The Future of Smart Buildings: Integration of IIoT in Construction Engineering," In E3S Web of Conferences, vol. 552, p. 01128. EDP Sciences, 2024 https://www.e3s-conferences.org/articles/e3sconf/abs/2024/82/e3sconf_icmpc2024_01128/e3sconf_icmpc2024_01128.html; Ahsan Waqar, Nasir Shafiq, Idris Othman, Saleh Hamed Alsulamy, Abdullah Mohammed Alshehri, Ibrahim Idris Falqi, "Determinants to the IIoT for smart buildings and infrastructure development: A partial least square modeling approach," Heliyon, Volume 10, Issue 10, 2024, e31035, ISSN 2405-8440, <https://doi.org/10.1016/j.heliyon.2024.e31035>; Khan, A.M., Alrasheed, K.A., Waqar, A. et al. "Internet of things (IIoT) for safety and efficiency in construction building site operations," Scientific Reports 14, 28914 (2024) <https://doi.org/10.1038/s41598-024-78931-0>

<https://cdait.gatech.edu>



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