



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  
(2500 entries since April 1, 2022)  
[https://cdait.gatech.edu/sites/default/files/2024-05/Digital\\_Transformation\\_Through\\_IoT\\_Technologies\\_May\\_31\\_2024.pdf](https://cdait.gatech.edu/sites/default/files/2024-05/Digital_Transformation_Through_IoT_Technologies_May_31_2024.pdf)

#### GOVERNANCE & THE INTERNET OF THING

Shin Gill, "The Power of Strategic  
IoT Partnerships," *IoT for all*, May  
24, 2024  
<https://www.iotforall.com/unlocking-iot-growth-the-power-of-strategic-partnerships>

FCC, "FCC Proposes National Security  
Protections for Equipment Program,"  
FCC, May 23, 2024  
<https://www.fcc.gov/document/fcc-proposes-national-security-protections-equipment-program-0>

Nicholas Jones, "IoT Advancements in  
Industry 5.0: Bridging the Gap  
Between Humans and  
Machines," *Embedded Computing*, May  
23, 2024  
<https://embeddedcomputing.com/application/industrial/industrial-iot/iot-advancements-in-industry-50-bridging-the-gap-between-humans-and-machines>

Jessica Rengstorf, "5 Considerations  
for Managing Data in the Internet of  
Medical Things (IoMT) Era,"  
*Healthcare IT Today*, May 20, 2024  
<https://www.healthcareittoday.com/2024/05/20/5-considerations-for-managing-data-in-the-internet-of-medical-things-iomt-era/>

Antoinette Hodes, "How the Internet  
of Things (IoT) became a dark web  
target – and what to do about it,"  
World Economic Forum, May 17, 2024  
<https://www.weforum.org/agenda/2024/05/internet-of-things-dark-web-strategy-supply-value-chain/>

Chris Pierson, "IoT Vulnerabilities  
and BotNet Infections: A Risk for  
Executives," *Security Boulevard*, May  
16, 2024  
<https://securityboulevard.com/2024/05/iot-vulnerabilities-and-botnet-infections-a-risk-for-executives/>

Cabe Atwell, "IoT Laws Aim to  
Protect User Information and  
Mitigate Cybersecurity Threats,"  
*Electronic Design*, May 16, 2024  
<https://www.electronicdesign.com/technologies/communications/iot/article/55040245/electronic-design-a-guide-to-global-iot-regulation-cybersecurity-protection-from-the-us-to-eu>

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## Biweekly IoT News Digest (5/24 – 2)

### IoT News and Market Reports

(Second Half of May 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/2024-05/IoT\\_News\\_Filings\\_May\\_2024\\_Second\\_Half.pdf](https://cdait.gatech.edu/sites/default/files/2024-05/IoT_News_Filings_May_2024_Second_Half.pdf)
- Sample list of IoT-related market reports gathered by CDAIT – 65 entries:  
[https://cdait.gatech.edu/sites/default/files/2024-05/IoT\\_Market\\_Reports\\_May\\_2024\\_Second\\_Half.pdf](https://cdait.gatech.edu/sites/default/files/2024-05/IoT_Market_Reports_May_2024_Second_Half.pdf)

**OF NOTE:** Oktay Demir, "How global AI interest is boosting the data management market," *IoT Analytics* (Hamburg, Germany), May 28, 2024 <https://iot-analytics.com/how-global-ai-interest-is-boosting-data-management-market/> --- **"The bigger picture: No AI strategy without a data strategy"** -- "Data sources are the foundation for AI" -- "Sources encompass diverse data formats from multiple repositories. Data sources may include enterprise systems such as enterprise resource planning (ERP) or customer relationship management (CRM), IoT data, coming from devices such as programmable logic controllers (PLCs) or sensors, or other external data, such as social media or governmental data."

### Special Reading Suggestions

- Alex Passett, "Great News for IoT: T-Mobile to Officially Acquire UScellular in \$4.4B Deal," *IoT Evolution*, May 28, 2024 <https://www.iotevolutionworld.com/iot/articles/459684-great-news-iot-t-mobile-officially-acquire-uscellular.htm>
- Zachary Comeau, "Inside the New UK Law to Improve IoT Cybersecurity," *CE Pro*, May 28, 2024 <https://www.cepro.com/networking/uk-cybersecurity-law-to-improve-iot-smart-device-default-passwords/>
- Ross Sabolcik, "Unleashing the potential of industrial and commercial IoT," May 22, 2024 <https://www.edn.com/unleashing-the-potential-of-industrial-and-commercial-iot/>
- Daminan Lewis, "How satellite-enabled IoT can help operators get clarity on supply chains," *Offshore Technology*, May 20, 2024 <https://www.offshore-technology.com/comment/how-satellite-enabled-iot-can-help-operators-get-clarity-on-supply-chains/?cf-view>
- Staff Writer, "IoT and AI data revolution: 40+ experts to lay out how organisations can accelerate productivity and sustainability at IoT Impact in Sydney," *IoT Hub*, May 17, 2024 <https://www.iothub.com.au/news/iot-and-ai-data-revolution-40-experts-to-lay-out-how-organisations-can-accelerate-productivity-and-sustainability-at-iot-impact-in-sydney-608042>
- Ohad Perry, "How Ambient IoT Enables Real-Time Visibility for Retailers," *Supply Chain Brain*, May 16, 2024 <https://www.supplychainbrain.com/blogs/1-think-tank/post/39547-how-ambient-iot-enables-real-time-visibility-for-retailers>
- Duncan MacRae, "Jason Mann, SAS: How IoT is shaping the world for the better," *IoT News*, May 16, 2024 <https://www.iotechnews.com/news/2024/may/16/jason-mann-sas-how-iot-is-shaping-the-world-for-the-better/>

### Selected IoT Perspectives

#### IoT and Safety (in various contexts)

"IoT-enabled sensors play a vital role in building safety. These sensors detect various environmental factors, such as temperature, humidity, and air quality, ensuring a safe and comfortable environment. IoT facilitates real-time monitoring and data collection, providing valuable insights for preventive measures. For instance, sensors can detect gas leaks, enabling immediate and effective action to prevent disasters." *Jenks2026, "The Role of IoT in Ensuring Building Safety," Green.org*, updated February 21, 2024 <https://green.org/2024/01/30/the-role-of-iot-in-ensuring-building-safety/>

- IEEE/ACM SafeThings 2024 : The 8th IEEE/ACM Workshop on the **Internet of Safe Things** (May 23, 2024, San Francisco) <https://safe-things-2024.github.io/>
- Construction Business Review posting, "How Do IoT-monitored Scaffold Systems Improve Safety," *Construction Business Review*, May 23, 2024 <https://www.constructionbusinessreview.com/news/how-do-iotmonitored-scaffold-systems-improve-safety-nwid-1581.html>
- FinSMES posting, "Public Safety Initiatives and the Internet of Things," *FinSMES*, May 9, 2024 <https://www.finmes.com/2024/05/public-safety-initiatives-and-the-internet-of-things.html>
- Radojka Baricki, "Harnessing the Internet of Things (IoT) for Enhanced Food Safety: A Revolution in Monitoring and Compliance," *FoodReady*, May 2, 2024 <https://foodready.ai/blog/internet-of-things-iot-food-safety/>

**Research background info (sample):** Ahn, Jae-Kwang, Tae-Hyun Kim, and Hyouunhee Koo. "Design for Optimized Public Safety and Earthquake Disaster Mitigation With IoT," *IEEE Access* 12 (2024): 43485-43494 <https://ieeexplore.ieee.org/abstract/document/10476577>; Ihirwe, Felicien, Davide Di Ruscio, Katia Di Blasio, Simone Gianfranceschi, and Alfonso Pierantonio, "Supporting model-based safety analysis for safety-critical IoT systems," *Journal of Computer Languages* 78 (2024): 101243 <https://www.sciencedirect.com/science/article/abs/pii/S2590118423000539>; Brown, Andi, Diarmaid Harkin, and Leonie Maria Tanczer, "Safeguarding the "Internet of Things" for Victim-Survivors of Domestic and Family Violence: Anticipating Exploitative Use and Encouraging Safety-by-Design," *Violence against women* (2024): 10778012231222486 <https://journals.sagepub.com/doi/full/10.1177/10778012231222486>; Kim, Jaehwan, Sangki Park, and Dong-Woo Seo, "Application of a Smart IoT (Internet of Things) Platform Providing Traffic Safety Information for Marine Bridges Under Strong Winds," *Journal of Coastal Research* 116, no. S1 (2024): 166-170 <https://meridian.allenpress.com/jcr/article/116/S1/166/498362>; Abass, Temilade, Michael Alurame Eruaga, Esther Oleiye Itua, and James Tabat Bature, "Advancing food safety through IoT: real-time monitoring and control systems," *International Medical Science Research Journal* 4, no. 3 (2024): 276-283 <https://feplb.com/index.php/imsrj/article/view/919>; Natalia Shchepkina, Gaurav Singh Negi, Lalit Bhalla, Richa Nangia, Jyoti and P. Surekha,, "IoT-Enhanced Public Safety in Smart Environments: A Comparative Analysis Using the Public Safety IoT Test," *BIO Web Conf.*, 86 (2024) 01100 [https://www.bio-conferences.org/articles/bioconf/abs/2024/05/bioconf\\_rtbs2024\\_01100/bioconf\\_rtbs2024\\_01100.html](https://www.bio-conferences.org/articles/bioconf/abs/2024/05/bioconf_rtbs2024_01100/bioconf_rtbs2024_01100.html)



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