



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

(1800 entries since April 1, 2022)  
[https://cdait.gatech.edu/sites/default/files/2023-10/Digital\\_Transformation\\_Through\\_IoT\\_Technologies\\_October\\_31\\_2023.pdf](https://cdait.gatech.edu/sites/default/files/2023-10/Digital_Transformation_Through_IoT_Technologies_October_31_2023.pdf)

## GOVERNANCE & THE INTERNET OF THINGS

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<https://www.lexology.com/library/detail.aspx?g=fcb2c281-8ff3-4e9e-a246-20215b077538>

Danielle Jablanski, "What is operational risk and why should you care? Assessing SEC rule readiness for OT and IoT," Help Net Security, October 25, 2023  
<https://www.helpnetsecurity.com/2023/10/25/operational-risk/>

Anthony Martin, "The Role of IoT in Providing Healthcare to the Aging Population," ReadWrite, October 20, 2023  
<https://readwrite.com/the-role-of-iot-in-providing-healthcare-to-the-aging-population/>

Maxwell William, "FCC's 6GHz decision paves way for Wi-Fi and IoT advancements," Readwrite, October 19, 2023  
<https://readwrite.com/fccs-6ghz-decision-paves-way-for-wi-fi-and-iot-advancements/>

Michael Fuhrmann, "Ensuring security legislation compliance in IoT applications," Embedded, October 18, 2023  
<https://www.embedded.com/ensuring-security-legislation-compliance-in-iot-applications/>

Jim Morrish, "The Evolving Regulatory Environment for Digital Transformation," Spiceworks, October 17, 2023  
<https://www.spiceworks.com/tech/innovation/guest-article/the-evolving-regulatory-environment-for-digital-transformation/>

Katie Notopoulos, "How to fix the Internet," MIT Technology Review, October 17, 2023  
<https://www.technologyreview.com/2023/10/17/1081194/how-to-fix-the-internet-online-discourse/>

Damien Black, "IoT lacking the global standards it needs to progress," Cybernews, October 16, 2023  
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# GT CDAIT

## Biweekly IoT News Digest (10/23 – 2)

## Georgia Tech IoT-related Info/Research Noticed by CDAIT

### IoT News and Market Reports

(Second Half of October 2023)

- 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/2023-10/IoT\\_News\\_Filings\\_October\\_2023\\_Second\\_Half.pdf](https://cdait.gatech.edu/sites/default/files/2023-10/IoT_News_Filings_October_2023_Second_Half.pdf)
- Sample list of IoT-related market reports gathered by CDAIT – 50 entries: [https://cdait.gatech.edu/sites/default/files/2023-10/IoT\\_Market\\_Reports\\_October\\_2023\\_Second\\_Half.pdf](https://cdait.gatech.edu/sites/default/files/2023-10/IoT_Market_Reports_October_2023_Second_Half.pdf)

- Catherine Barzler and Steven Norris, "The future of artificial intelligence at Georgia Tech," GT News Center, October 16, 2023  
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- Alrawi, Omar. "A systematic approach to prioritize vulnerabilities in IoT deployments," PhD dissertation, Georgia Tech, 2023  
<https://alrawi.io/static/ALRAWI-DISSERTATION-2023.pdf>
- Menon, Saranya Arun, Mudra Nagda, Meghna Bhatnagar, Sofia Anandi Vempala, Aarohi Vaidya, Naishi Lokeshbhai Shah, and Thad Starner. "Comparing Methods to Study Social Acceptance of Smart Glasses," In Adjunct Proceedings of the 2023 ACM International Joint Conference on Pervasive and Ubiquitous Computing & the 2023 ACM International Symposium on Wearable Computing, pp. 206-206. (published October 8, 2023) <https://dl.acm.org/doi/abs/10.1145/3594739.3610798>

**OF NOTE:** Dylan Martin, "CRN's 2023 IoT Innovators: Fueling The Real-World Data Revolution," CRN, October 16, 2023 <https://www.crn.com/news/internet-of-things/crn-s-2023-iot-innovators-fueling-the-real-world-data-revolution> ---- 5G Americas press release, "5G Devices Are Evolving Beyond Smartphones to Battery-less IoT," 5G Americas, October 26, 2023 <https://www.5gamericas.org/5g-devices-are-evolving-beyond-smartphones-to-battery-less-iot/>

## Special Reading Suggestions

- Ann Chesbrough, "Unleashing the Power of the Internet of Things and Cyber Security," The Hacker News, October 20, 2023  
<https://thehackernews.com/2023/10/unleashing-power-of-internet-of-things.html>
- Bernard Marr, "2024 IoT And Smart Device Trends: What You Need To Know For The Future," Forbes, October 19, 2023  
<https://www.forbes.com/sites/bernardmarr/2023/10/19/2024-iot-and-smart-device-trends-what-you-need-to-know-for-the-future/?sh=3765642a7f34>
- Luke Bouma, "AT&T Hopes to Save \$2 Billion After Cutting \$6 Billion in Costs By Shutting Down Older Wireless Networks," ["One of the key drivers behind this strategic decision is the significant growth in IoT connections,] Cord Cutter News, October 18, 2023 <https://cordcuttersnews.com/att-hopes-to-save-2-billion-after-cutting-costs-by-6-billion-by-shutting-down-older-wireless-networks/>
- Bradley van Paridon, "How Internet of Things could help stave off a food crisis," Advanced Science News, October 18, 2023 <https://www.advancedsciencenews.com/how-internet-of-things-could-help-stave-off-a-food-crisis/>
- Linda Rosencrance, "Top 4 Use Cases for IoT in Manufacturing," Techopedia, October 16, 2023 <https://www.techopedia.com/top-4-use-cases-for-iot-in-manufacturing>

## Selected IoT Perspectives

### IoT and the Automotive Industry in 2023

"The Internet of Things is reshaping the automotive market, making vehicles safer, more efficient, and more enjoyable to drive. IoT technology enables a wide range of applications, from telematics and infotainment to vehicle-to-vehicle communication and autonomous driving. The future of connected vehicles holds tremendous potential, with the advent of 5G connectivity, over-the-air updates, and closer integration with smart cities," IoT Business News, "The Internet of Things (IoT) in the Automotive Market: Driving the Future of Transportation," IoT Business News, October 13, 2023 <https://iotbusinessnews.com/2023/10/13/54422-the-internet-of-things-iot-in-the-automotive-market-driving-the-future-of-transportation/>

- US Department of Transportation's Federal Highway Administration (FHWA), "USDOT opens \$40M grant opportunity for V2X technologies," Green Car Congress, October 27, 2023 <https://www.greencarcongress.com/2023/10/20231027-usdotv2x.html>
  - Heberly Ahtalan, "Data Privacy Nightmares In Smart Cars: Understanding The Risks," Spiceworks, October 23, 2023  
<https://www.spiceworks.com/it-security/data-security/guest-article/data-privacy-nightmares-in-smart-cars-understanding-the-risks/>
  - Martin Banks, "Connected vehicles and IoT: Advancements in smart transportation," Techaeris, October 20, 2023  
<https://techaeris.com/2023/10/20/connected-vehicles-and-iot-advancements-in-smart-transportation/>
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  - Satyajit Sinha, "Telematics gateways: Driving the future and evolution of mobility," IoT Analytics, October 11, 2023 <https://iot-analytics.com/telematics-gateways-driving-future-evolution-of-mobility/>
  - SNS Insider pvt ltd press release, "Automotive Sensors Market to Surpass USD 88.50 Billion by 2030 due to Demand for Advanced Driver-Assistance Systems (ADAS) in Vehicles to Enhance Safety and Comfort," Globe Newswire, October 12, 2023  
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  - Meghmala, "IoT in Transportation: Advancements in Autonomous Vehicles," Analytics Insight, October 3, 2023  
<https://www.analyticsinsight.net/iot-in-transportation-advancements-in-autonomous-vehicles/>
  - Lawrence Keyler, "Smart vehicles and the evolution of road safety – A promising start," RSM, September 6, 2023  
<https://www.rsm.global/insights/smart-vehicles-and-evolution-road-safety-part-one;> and Lawrence Keyler, "Smart vehicles and the evolution of road safety – The risks and concerns," October 4, 2023, RSM <https://www.rsm.global/insights/smart-vehicles-and-evolution-road-safety-part-two>
- Research background info (sample):** Sharma, Neerav, and Rahul D. Garg. "Real-Time IoT-Based Connected Vehicle Infrastructure for Intelligent Transportation Safety." IEEE Transactions on Intelligent Transportation Systems (2023) <https://ieeexplore.ieee.org/abstract/document/10101716> ; Srinivasan, R., R. Kavitha, M. Kavitha, and K. Sridhar. "A Review: Precision Vehicle Control Using Internet of Things," Intelligent and Soft Computing Systems for Green Energy (2023): 163-171 <https://onlinelibrary.wiley.com/doi/abs/10.1002/9781394167524.ch12>; Rani, Preeti, and Rohit Sharma. "Intelligent transportation system for internet of vehicles based vehicular networks for smart cities," Computers and Electrical Engineering 105 (2023): 108543  
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