



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

(2050 entries since April 1, 2022)  
[https://cdait.gatech.edu/sites/default/files/2024-01/Digital\\_Transformation\\_Through\\_IoT\\_Technologies\\_January\\_15\\_2024.pdf](https://cdait.gatech.edu/sites/default/files/2024-01/Digital_Transformation_Through_IoT_Technologies_January_15_2024.pdf)

### GOVERNANCE & THE INTERNET OF THINGS

The National White Collar Crime Center (NW3C) and National Criminal Justice Training Center of Fox Valley Technical College (NCJTC), "National Internet of Things (IoT) Investigative Conference," January 16-18, 2024, Las Vegas, Nevada <https://ncjtc.fvtc.edu/trainings/TR01119145/TR11760048/national-internet-of-things-conference>

Ahmed Baladi, Nicholas Banasevic\*, Stéphane Frank, Kai Gesing, Joel Harrison, Christian Riis-Madsen, Robert Spano, Ciara O'Gara, and Jan Przerwa, "The EU Data Act, an IoT and Cloud Sector Paradigm Shift, Becomes Reality," Gibson Dunn, January 8, 2024 <https://www.gibsondunn.com/eu-data-act-an-iot-and-cloud-sector-paradigm-shift-becomes-reality/>

Moreji Fatunde, "The race to produce rare earth materials -- China has dominated the market for rare earth elements, but US scientists and companies are scrambling to catch up," The MIT Technology Review, January 5, 2024 <https://www.technologyreview.com/2024/01/05/1084791/rare-earth-materials-clean-energy/>

Paul Samson, Constance de Leusse, Paul Fehlinger, and Aaron Shull, "Can Disruptive Technology Be Responsible in 2024 And Beyond?" TechPolicy, January 3, 2024 <https://www.techpolicy.press/can-disruptive-technology-be-responsible-in-2024-and-beyond/>

Jacob Livesay, "Government Accountability Office urges CISA, FDA to update agreement on coordinating medical device cybersecurity," Inside Cybersecurity, January 2, 2024 <https://insidecybersecurity.com/daily-news/government-accountability-office-urges-cisa-fda-update-agreement-coordinating-medical>

Maxwell Sterling, "The Evolution of Smart Cities: How Technology is Shaping Urban Living," The Jerusalem Post, January 1, 2024 <https://www.jpost.com/insights/article-780317>

# GT CDAIT

## Biweekly IoT News Digest (1/24 – 1)

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

### IoT News and Market Reports

(First Half of January 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/2024-01/IoT\\_News\\_Filings\\_January\\_2024\\_First\\_Half.pdf](https://cdait.gatech.edu/sites/default/files/2024-01/IoT_News_Filings_January_2024_First_Half.pdf)
- Sample list of IoT-related market reports gathered by CDAIT – 60 entries: [https://cdait.gatech.edu/sites/default/files/2024-01/IoT\\_Market\\_Reports\\_January\\_2024\\_First\\_Half.pdf](https://cdait.gatech.edu/sites/default/files/2024-01/IoT_Market_Reports_January_2024_First_Half.pdf)

**OF NOTE:** CES 2024, Las Vegas, NV, January 9-12, 2024 – "At CES 2024, the Internet of Things was showcased in its full glory" [Source: Fernando Torres <https://metroamericas.com/en/noticias-2/ces-2024-the-best-of-the-tech-fair-from-las-vegas/883124/#gsc.tab=0>]; Sandeep Khantal, "CES 2024: The Mind-Blowing Tech That Stole the Show!," Vox Voyage, January 13, 2024 <https://voxyvoyage.com/technology/ces-2024-revisited/>; Amanda Blum, "CES 2024: Samsung Is Going All-In on SmartThings," LifeHacker, January 10, 2024 <https://lifehacker.com/tech/ces-2024-samsung-going-all-in-on-smarthings>; Kirk Miller, "The Best and Worst of AI at CES - Artificial intelligence dominated the annual consumer tech show, for better or worse," InsideHook, January 12, 2024 <https://www.insidehook.com/gear/ai-ces-2024>

### Special Reading Suggestions

- Radhakanth Kodokula, "Top IoT Trends in 2024 and What IoT Holds for the Future?" Antino, January 11, 2024 <https://www.antino.com/blog/top-9-iot-trends>
- Sunil Sonkar, "How IoT is Reshaping the Railway Industry," TechExpert, January 11, 2024 <https://www.techexpert.com/how-iot-is-reshaping-the-railway-industry/>
- Circular posting, "How the Internet of Things can unlock circular business models," Circular, January 9, 2024 <https://www.circularonline.co.uk/features/how-the-internet-of-things-can-unlock-circular-business-models/>
- Robert Sheldon, "Top 30 IoT interview questions and answers for 2024," TechTarget, January 4, 2024 <https://www.techtarget.com/whatis/feature/Top-30-IoT-interview-questions-and-answers>
- Shannon Williams, "Satellite IoT emerges as key player in global environmental sustainability," IT Brief Australia, January 4, 2024 <https://itbrief.com.au/story/satellite-iot-emerges-as-key-player-in-global-environmental-sustainability>
- Joe McKendrick, "AIoT Means Alot: The Internet of Things Gets an Artificial Intelligence Jolt," RT Insights, January 2, 2024 <https://www.rtinsights.com/aiot-means-alot-the-internet-of-things-gets-an-artificial-intelligence-jolt/>
- Suraj Nair, "How IoT is powering a new era of connectivity," Express Computer, January 2, 2024 <https://www.expresscomputer.in/guest-blogs/how-iot-is-powering-a-new-era-of-connectivity107783/>
- Techovedas editorial team, "What are Top 10 Application of Internet of Things (IoT) in 2024," Techovedas, December 30, 2023 <https://techovedas.com/what-are-top-10-application-of-internet-of-things-iot-in-2024/>

### Selected IoT Perspectives The Internet of Things and Ethics

"The swift advancement and integration of IoT in various sectors also raise profound ethical questions that warrant careful consideration,"  
"The Ethical Implications of the Internet of Things (IoT)," Mark Kavinsky, IoT Business News, November 9, 2023 Z <https://iotbusinessnews.com/2023/11/09/50511-the-ethical-implications-of-the-internet-of-things-iot/>

- Desiree Miloshevic Evans, "How do we unlock consumer trust for IoT?" Techradar, January 11, 2023 <https://www.techradar.com/pro/how-do-we-unlock-consumer-trust-for-iot>
- Marshall Gunnell, "Internet of Senses (IoS) [Foundation, Future and Ethics]" Techopedia, Isat updated December 4, 2023 <https://www.techopedia.com/definition/internet-of-senses-ios>
- International Association of Business Analytics Certification (IABAC), "Data Ethics in the Internet of Things (IoT): Balancing Convenience and Privacy," IABAC, October 17, 2023 <https://iabac.org/blog/data-ethics-in-the-internet-of-things-iot-balancing-convenience-and-privacy>
- Zac Amos, "Ethical Implications in IoT Data Collection", Readwrite, August 17, 2023 <https://readwrite.com/ethical-considerations-in-iot-data-collection/>
- Arunraj, "What Are the Potential Ethical Issues Arising from IoT Deployment?" Medium, June 22, 2023 <https://arunraj444001.medium.com/what-are-the-potential-ethical-issues-arising-from-iot-deployment-9807cfeff39>

**Research background info (sample):** Banerjee, Trishit, "Social, Professional, Ethical, and Security Issues Associated with IoMT [Internet of Medical Things] and Smart Healthcare: Post-COVID-19 Pandemic Scenario," In Internet of Medical Things in Smart Healthcare, pp. 163-182. Apple Academic Press, 2024 <https://www.taylorfrancis.com/chapters/edit/10.1201/9781003369035-9/social-professional-ethical-security-issues-associated-iot-smart-healthcare-post-covid-19-pandemic-scenario-trishit-banerjee>; Kizza, Joseph Migga, "New Frontiers of Ethics and Security: Internet of Things (IoT)," In Ethical and Social Issues in the Information Age, pp. 287-302. Cham: Springer International Publishing, 2023 [https://link.springer.com/chapter/10.1007/978-3-031-24863-4\\_15](https://link.springer.com/chapter/10.1007/978-3-031-24863-4_15); Bangui, Hind, Barbra Buhnova, and Mouzhi Ge, "Social Internet of Things: Ethical AI Principles in Trust Management," Procedia Computer Science 220 (2023): 553-560 <https://www.sciencedirect.com/science/article/pii/S1877050923006051>; Hauser, Sabrina, Johan Redström, and Heather Wiltz, "The widening rift between aesthetics and ethics in the design of computational things," AI & SOCIETY 38, no. 1 (2023): 227-243 <https://link.springer.com/article/10.1007/s00146-021-01279-w>; Sahim, Siti Nur Ramadan Mohd, Siti Norafiqah Mohd Nasir, and Muhammad Safdar Izzul Islam Mohd, "The Application of Ethics in The Development of Cyber-Physical System," In Proceedings of 1st Global Symposium on Information and Social Sciences (GSISS) 2023, p. 73. 2023 <https://zenodo.org/records/818104>; World Commission on the Ethics of Scientific Knowledge and Technology, "The ethical implications of the Internet of Things (IoT): report adopted in September 2021," ORBIT Journal, 2(2) <https://doi.org/10.54678/JSGE8362>; Antoniou, J., & Andreou, A. (2019), "Case Study : The Internet of Things and Ethics," ORBIT Journal, 2(2) <https://www.sciencedirect.com/science/article/pii/S2515856220300134/pdf?md5=3c8176fc2ed297a32144443820f50934&pid=1-s2.0-S2515856220300134-main.pdf>

<https://cdait.gatech.edu>



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