GT CDAIT
Biweekly IoT News Digest (11/23 – 1)

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

CHRONICLE OF DIGITAL TRANSFORMATION THROUGH INTERNET OF THINGS TECHNOLOGIES
Some biweekly perspectives from around the globe gathered by CDAIT
(1850 entries since April 1, 2022)
https://cdait.gatech.edu/sites/default/files/2023-11/Digital_Transformation_Through_IoT_Technologies_November_15_2023.pdf

GOVERNANCE & THE INTERNET OF THINGS

Mark Kavinsky, "**The Regulatory Landscape for IoT: Navigating the Complexities of a Connected World,**" IoT Business News, November 13, 2023 https://iotbusinessnews.com/2023/11/13/84084-the-regulatory-landscape-for-iot-navigating-the-complexities-of-a-connected-world/

Guido Noto La Diega, "**Internet of Things: tech firms have become our digital landlords – but people are starting to fight back,**" The Conversation, November 8, 2023 https://theconversation.com/internet-of-things-tech-firms-have-become-our-digital-landlords-but-people-are-starting-to-fight-back-193181

Will Kner, "**The Evolution of Zero Trust in the Age of IoT,**" Facilities Management Advisor, November 7, 2023 https://facilitiesmanagementadvisor.blr.com/security/the-evolution-of-zero-trust-in-the-age-of-iot/

Cooley alert, "**US Regulatory Agencies Launching Reviews of AI,**" Cooley, November 2, 2023 https://www.cooley.com/news/insight/2023/2023-11-02-us-regulatory-agencies-launching-reviews-of-ai

Kalbe Ali, "**[Pakistan's interim federal] Minister [for science and technology, Dr. Umar Saif] highlights internet governance challenges,**" DAWN, November 1, 2023 https://www.dawn.com/news/1785423/minister-highlights-internet-governance-challenges

Col. (ret.) Stephen P. Corcoran, "**CISA cybersecurity plan offers possibility of real results,**" C4isrnet, October 31, 2023 https://www.c4isrnet.com/opinion/2023/10/31/biden-cybersecurity-plan-offers-possibility-of-real-results/

IoT News and Market Reports

(First Half of November 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 – 15 entries: https://cdait.gatech.edu/sites/default/files/2023-11/IoT_News_Filings_November_2023_First_Half.pdf

- Sample list of IoT-related market reports gathered by CDAIT – 65 entries: https://cdait.gatech.edu/sites/default/files/2023-11/IoT_Market_Reports_November_2023_First_Half.pdf

Georgia Tech IoT-related Info/Research Noticed by CDAIT

- Rothrock, Blaine, Eric Greenlee, and Josiah Hester, "**Community-Driven Mobile and Ubiquitous Computing,**" GetMobile: Mobile Computing and Communications 27, no. 3 (2023): 5-9 https://dl.acm.org/doi/abs/10.1145/3631588.3631590

- Pal, Ranjan, Rohan Xavier Sequeira, Xinlong Yin, Sander Zeijlemaker, and Vineeth Kotala, "**How Should Enterprises Quantify and Analyze (Multi-Party) APT Cyber-Risk Exposure in their Industrial IoT Network?**" ACM Transactions on Management Information Systems (2023) https://dl.acm.org/doi/abs/10.1145/3605949

- Sheehan, Alyssa, and Christopher A. Le Dantec, "**Making Meaning from the Digitalization of Blue-Collar Work,**" Proceedings of the ACM on Human-Computer Interaction 7, no. CSCW2 (2023): 1-21 https://dl.acm.org/doi/abs/10.1145/3610194

OF NOTE: Ivan Bešina, Michal Škuta, and Miloš Čermák," **Who killed Mozi? Finally putting the IoT zombie botnet in its grave,**" Welivesecurity, November 1, 2023 https://www.welivesecurity.com/en/eset-research/who-killed-mozi-finally-putting-the-iot-zombie-botnet-in-its-grave/; Alessandro Mascellino, "**Mysterious Kill Switch Shuts Down Mozi IoT Botne**t," Infosecurity, November 1, 2023 https://www.infosecurity-magazine.com/news/kill-switch-shuts-down-mozi-iot/; CXOtoday News Desk, "**ESET Research: Infamous IoT botnet Mozi taken down via a kill switch,**" CXO Today, November 1, 2023 https://www.cxotoday.com/press-release/eset-research-infamous-iot-botnet-mozi-taken-down-via-a-kill-switch/; Carly Page, "**Security researchers observed 'deliberate' takedown of notorious Mozi botnet,**" TechCrunch, November 1, 2023 https://techcrunch.com/2023/11/01/mozi-botnet-take-down-china/

Special Reading Suggestions

- The Georgia Tech Manfuacturing Institute (GTMI) held its **9**th **annual symposium on the Internet of Things for Manufactruing** (IoTfM) on November 8, 2023 – Relaed information can be found here: https://research.gatech.edu/internet-things-manufacturing-symposium-2023

- Mark Kavinsky, "**The Ethical Implications of the Internet of Things (IoT),**" IoT Business News, November 9, 2023 https://iotbusinessnews.com/2023/11/09/50511-the-ethical-implications-of-the-internet-of-things-iot/

- Franklin Okeke, "**Why People Misunderstand the Internet of Things (IoT),**" Techopedia, November 7, 2023 https://www.techopedia.com/why-people-misunderstand-the-internet-of-things-iot

- Danish Khan, "**ETTelecom Interviews: Vodafone Idea on 5G & IoT, growth drivers, challenges,**" ET Times [video 9'42], November 7, 2023 https://telecom.economictimes.indiatimes.com/videos/ettelecom-interviews-vodafone-idea-on-5g-iot-growth-drivers-challenges/105026252

- IoT Business News posting, "**The Synergy of AI and IoT: Unleashing the Power of AioT,**" IoT Business News, November 6, 2023 https://iotbusinessnews.com/2023/11/06/11522-the-synergy-of-ai-and-iot-unleashing-the-power-of-aiot/

- Jiachen Zhang and Alan Crisp, "**SpaceX is betting on open IoT standards,**" IoT Business News, October 31, 2023 https://iotbusinessnews.com/2023/10/31/08978-spacex-is-betting-on-open-iot-standards/

- Luke Smoothy, "**How to Improve 3D Printing Operations with IoT**," IoT for All, October 31, 2023 https://www.iotforall.com/how-to-improve-3d-printing-operations-with-iot

- Brooke Becher, "**10 Examples of Disruptive Technology,**" Built in, October 31, 2023 https://builtin.com/corporate-innovation/disruptive-technology

Selected IoT Perspectives

IoT and Wearables

*"Wearable technology is increasingly being integrated into the broader IoT ecosystem, enabling seamless connectivity and data sharing between devices. This integration has expanded the capabilities of wearables beyond individual usage, leading to applications in healthcare, retail, and industrial sectors, among others.," Xcellent Insights press release, "**Increasing Demand for Wearable Technology Market Growth, Incredible Demand and Business Strategies 2023-2032,**" OpenPR, October 25, 2023 https://www.openpr.com/news/3264253/increasing-demand-for-wearable-technology-market-growth*

- News Directory 3 posting, "**A New Era of Wearable Technology: Introducing AI Pin by Humane,**" News Directory 3, November 8, 2023 https://www.newsdirectory3.com/a-new-era-of-wearable-technology-introducing-ai-pin-by-humane/

- Tajammul Pangarkar, "**Wearable Technology Statistics: A Connection of Tech and Human,**" Scoop, November 7, 2023 https://scoop.market.us/wearable-technology-statistics/

- IoT Business News posting, "**The Internet of Things (IoT) Revolution in Wearables,**" IoT Business News, November 3, 2023 https://iotbusinessnews.com/2023/11/03/97971-the-internet-of-things-iot-revolution-in-wearables/

- Bebe Vanek, "**Fitness devices leverage consumer privacy to optimize health,**" The Universtiy of Utah, October 30, 2023 https://attheu.utah.edu/facultystaff/fitness-devices-leverage-consumer-privacy-to-optimize-health/

- Research and Markets press release, "**Wearable Electronics Industry Analysis and Forecast, 2023-2030 - Growing Prominence of Wearable Tech in Healthcare Propels Market Growth,**" Globe Newswire, October 30, 2023 https://www.globenewswire.com/news-release/2023/10/30/2769048/0/en/Wearable-Electronics-Industry-Analysis-and-Forecast-2023-2030-Growing-Prominence-of-Wearable-Tech-in-Healthcare-Propels-Market-Growth.html

- Kostiantyn Oliynyk, "**IoT Trends in Wearable Devices For Personal and Business Needs in 2023,**" Webbylab, October 19, 2023 https://webbylab.com/blog/wearable-iot-trends-personal-and-business-use/

Research background info (sample): Cano, Carlos Alberto Gómez, Verenice Sánchez Castillo, William Castillo-Gonzalez, Adrián Alejandro Vitón-Castillo, and Javier Gonzalez-Argote, "**Internet of Things and Wearable Devices: A Mixed Literature Review,**" EAI Endorsed Transactions on Internet of Things 9, no. 4 (2023) https://publications.eai.eu/index.php/IoT/article/view/4276; Heather Boswell, "**Wearable tech, AI highlighted in Purdue Mobile Artificial intelligence Lab's recent publications,**" Purdue University Newsroom, November 1, 2023 https://polytechnic.purdue.edu/newsroom/wearable-tech-ai-highlighted-mobile-artificial-intelligence-lab; Sharma, Pawan, Javad Rezazadeh, Abubakar Bello, Ahmed Dawoud, and Ali Abas Albabawat,"**Real Time Remote Cardiac Health Monitoring Using IoT Wearable Sensors-A Review**," In International Conference on Interactive Collaborative Robotics, pp. 280-291. Cham: Springer Nature Switzerland, 2023 https://link.springer.com/chapter/10.1007/978-3-031-35308-6_24; Costanzo, Alessandra, Elisa Augello, Giulia Battistini, Francesca Benassi, Diego Masotti, and Giacomo Paolini, "**Microwave Devices for Wearable Sensors and IoT,**" Sensors 23, no. 9 (2023): 4356 https://www.mdpi.com/1424-8220/23/9/4356; --- See also Georgia Tech's **Physiology of Wearable Robotics Lab** https://power.me.gatech.edu/

https://cdait.gatech.edu

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