GT CDAIT
Biweekly IoT News Digest (1/24 – 2)

Digest is compiled by Alain Louchez,
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GOVERNANCE & THE INTERNET OF THINGS

David DiMolfetta, "'**Relatively few' agency policies met standards for IoT security, OMB reports**," January 29, 2024 https://www.nextgov.com/cybersecurity/2024/01/relatively-few-agency-policies-met-standards-iot-security-omb-reports/393702/

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Bob Violino, "**8 data strategy mistakes to avoid,**" CIO, January 24, 2024 https://www.cio.com/article/1293503/8-data-strategy-mistakes-to-avoid.html

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Eve Thomas, "**IoT's role in the energy transition,**" Power Technology, January 23, 2024 https://www.power-technology.com/features/iots-role-in-the-energy-transition/?cf-view

Hogan Novells and Michael Niehaus, "**Digital Transformation: AI Act – The European approach on regulating AI,**" JD Supra, January 19, 2024 https://www.jdsupra.com/legalnews/digital-transformation-ai-act-the-7269816/

Yara Abi Farraj, "**What are the global digital economy trends in 2024?**" [about international report by the Digital Cooperation Organization (DCO)], Middle East Economy, January 17, 2024 https://economymiddleeast.com/news/global-digital-economy-trends-2024-2/

IoT News and Market Reports

(Second 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 – 16 entries:
https://cdait.gatech.edu/sites/default/files/2024-01/IoT_News_Filings_January_2024_Second_Half.pdf

- Sample list of IoT-related market reports gathered by CDAIT – 65 entries: https://cdait.gatech.edu/sites/default/files/2024-01/IoT_Market_Reports_January_2024_Second_Half.pdf

Georgia Tech IoT-related Info/Research Noticed by CDAIT

- Yen, Bill, Laura Jaliff, Louis Gutierrez, Philothei Sahinidis, Sadie Bernstein, John Madden, Stephen Taylor et al. "**Soil-Powered Computing: The Engineer's Guide to Practical Soil Microbial Fuel Cell Design,**" Proceedings of the ACM on Interactive, Mobile, Wearable and Ubiquitous Technologies 7, no. 4 (2024): 1-40 https://dl.acm.org/doi/abs/10.1145/3631410

- Wang, Chaojie, and Srinivas Peeta.,"**Incentive Mechanism for Privacy-Preserving Collaborative Routing Using Secure Multi-Party Computation and Blockchain,**" Sensors 24, no. 2 (2024): 542. https://www.mdpi.com/1424-8220/24/2/542

- Ajemian, Andrew, John Knight, Tommy Nguyen, and John O'Connor, "**Knight Watch: Ubiquitous Computing Enhancements To Sleep Quality With Acoustic Analysis**," arXiv preprint arXiv:2401.08991 (preprint January 17,2024) https://arxiv.org/abs/2401.08991

OF NOTE: Kristalina Georgieva, "**AI Will Transform the Global Economy. Let's Make Sure It Benefits Humanity**," ["*AI will affect almost 40 percent of jobs around the world, replacing some and complementing others,*"] International Monetary Fund (IMF) blog, January 14, 2024 https://www.imf.org/en/Blogs/Articles/2024/01/14/ai-will-transform-the-global-economy-lets-make-sure-it-benefits-humanity; related analysis can be seen here: Mauro Cazzaniga, Florence Jaumotte, Longji Li, Giovanni Melina, Augustus J Panton, Carlo Pizzinelli, Emma J Rockall, and Marina Mendes Tavares, "Gen-AI: Artificial Intelligence and the Future of Work," IMF (42 pages), January 14, 2024 file:///C:/Users/alouc/Downloads/SDNEA2024001-1.pdf

Special Reading Suggestions

- Barry Elad, "**Internet of Things Statistics 2024 By Operating System, Market Share, Sector, Application, Adoption Rate, Revenue,**" EnterpriseAppsToday, updated January 29, 2024 https://www.enterpriseappstoday.com/stats/internet-of-things-statistics.html
- Ritk Raj, "**AI and IoT: The new drivers of railroad innovation,**" DNA India, January 27, 2024 https://www.dnaindia.com/technology/report-ai-and-iot-the-new-drivers-of-railroad-innovation-3075918
- Paul Maguire, "**Satellites and the specter of IoT attacks,**" Spacenews, January 26, 2024 https://spacenews.com/satellites-specter-iot-attacks/
- Linda Rosencrance, "**6 Top IoT Training Certifications to Get in 2024,**" Techopedia, January 24, 2024 https://www.techopedia.com/top-iot-training-certifications
- MicroHackers, "**The IoT Landscape in 2024,**" Security Boulevard, Janaury 22, 2024 https://securityboulevard.com/2024/01/the-iot-landscape-in-2024/
- Alex Blair, "**IoT in Latin American mining – a solution to worker safety?**" Verdict, January 17, 2024 https://www.verdict.co.uk/iot-in-latin-american-mining-a-solution-to-worker-safety/?cf-view
- Republic World business desk, "**Vodafone enters 10-year partnership with Microsoft for AI, cloud, and IoT,**" Republic World (India), January 16, 2024 https://www.republicworld.com/tech/artificial-intelligence/vodafone-enters-10-year-partnership-with-microsoft-for-ai-cloud-and-iot/
- Nick Flaherty, "**Running IoT through the skies,**" eeNews Europe, January 15, 2024 https://www.eenewseurope.com/en/running-iot-through-the-skies/
- Michael Kerner, "**10 best IoT conferences and events to attend in 2024,**" TechTarget, January 11, 2024 https://www.techtarget.com/whatis/feature/6-best-IoT-conferences-and-events-to-attend

Selected IoT Perspectives
The Internet of Things and Healthcare

*"The healthcare industry is undergoing a profound transformation, thanks to the Internet of Things (IoT). The integration of IoT technology into healthcare systems is revolutionizing patient care, treatment processes, and medical research." "**Revolutionizing Healthcare: The Internet of Things (IoT) in Healthcare**," Business News, October 14, 2023* https://iotbusinessnews.com/2023/10/14/44345-revolutionizing-healthcare-the-internet-of-things-iot-in-healthcare/

- Healthcare Tech Outlook posting, "**Applications of IoT-based Health Monitoring System,**" Healthcare Tech Outlook, January 25, 2024 https://www.healthcaretechoutlook.com/news/applications-of-iotbased-health-monitoring-system-nid-3960.html
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- Times Tech press release, "**IoT Revolution Healthcare Market to Reach $305.55B by 2032,**" TimesTech January 19, 2024 https://timestech.in/iot-revolution-healthcare-market-to-reach-305-55b-by-2032/
- Market.us press release, "**Healthcare Internet of Things (IoT) Security Market Surges: Projected to Reach USD 3.56 Billion by 2033 with a Striking 19.1% CAGR,**" Globe Newswire, January 10, 2024 https://www.globenewswire.com/en/news-release/2024/01/10/2806877/0/en/Healthcare-Internet-of-Things-IoT-Security-Market-Surges-Projected-to-Reach-USD-3-56-Billion-by-2033-with-a-Striking-19-1-CAGR.html
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