GT CDAIT
Biweekly IoT News Digest (01/23 – 2)

February 2023 Highlights

GOVERNANCE & THE INTERNET OF THINGS

Greg Noone, "**The world needs tighter IoT governance. But reforms are on the way**," Techmonitor, January 30, 2023 https://techmonitor.ai/the-age-of-ambient/the-world-needs-tighter-iot-governance-but-reforms-are-on-the-way

Megan L. Brown, Thomas M. Johnson, Jr. and Kathleen E. Scott, **"United States: Enter Stage Right – A New Cyber Regulator Steps Into The Spotligh**t,' Mondaq, January 30, 2023 https://www.mondaq.com/unitedstates/security/1276522/enter-stage-right--a-new-cyber-regulator-steps-into-the-spotlight

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Charles Lyons-Burt, "**How the [U.S.] DOD Is Keeping Pace with Emerging Technologies Through R&D**," GovCon Wire, January 26, 2023 https://www.govconwire.com/2023/01/how-the-dod-is-keeping-pace-with-emerging-technologies-through-randd/

Inmarsat press release, "**Business Leaders Do Not Trust Each Others' Climate Claims - Inmarsat Research**," [based on Inmarsat independent research report "**Accelerating sustainable action through IoT**",] Business Wire, January 24, 2023 https://www.businesswire.com/news/home/20230124005125/en/Business-Leaders-Do-Not-Trust-Each-Others-Climate-Claims---Inmarsat-Research

World Economic Forum, **"State of the Connected World 2023 Edition,," [a publication that tracks governance gaps related to the Internet of Things (IoT)],** WEF, published on January 17, 2023 (49 pages) https://www3.weforum.org/docs/WEF_State_of_the_Connected_World_2023_Edition.pdf

Future IoT Editors, "**Japan's Society 5.0 initiative promises a humanise digital future**," Future IoT, January 16, 2023 https://futureiot.tech/japans-society-5-0-initiative-promises-a-humanise-digital-future/

IoT News and Market Reports
(Second Half of January 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 - See:
  https://cdait.gatech.edu/sites/default/files/2023-01/IoT_News_Filings_January_2023__Second_Half.pdf

- Sample list of **IoT-related market reports** gathered by CDAIT– 80 entries – See:
  https://cdait.gatech.edu/sites/default/files/2023-01/IoT_Market_Reports_January_2023_Second_Half.pdf

Georgia Tech IoT-related Info/Research Noticed by CDAIT

- A. J. London, Y. S. Razin, J. Borenstein, M. Eslami, R. Perkins and P. Robinette, "**Ethical Issues in Near-Future Socially Supportive Smart Assistants for Older Adults**," in IEEE Transactions on Technology and Society (January 16, 2023), doi: 10.1109/TTS.2023.3237124 https://ieeexplore.ieee.org/abstract/document/10017383

- Yang, Qian, Richmond Wong, Thomas Gilbert, Margaret Hagan, Steven Jackson, Sabine Junginger, and John Zimmerman. "**Designing Technology and Policy Simultaneously: Towards A Research Agenda and New Practice**," (2023) https://www.researchgate.net/profile/Qian-Yang-19/publication/367118347_Designing_Technology_and_Policy_Simultaneously_Towards_A_Research_Agenda_and_New_Practice/links/63c1e373d9fb5967c2d354b6/Designing-Technology-and-Policy-Simultaneously-Towards-A-Research-Agenda-and-New-Practice.pdf

- Ben Snedeker, "**Manufacturing, Finance Among Industries to Benefit from What's Next in AI for 2023**," [a small group of GT Ph.D. students from the College of Computing involved in foundational and applied AI research look into 2023], GT College of Computing, January 10, 2023 https://www.cc.gatech.edu/news/manufacturing-finance-among-industries-benefit-whats-next-ai-2023

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Special Reading Suggestions

- Keith Basil, "**IIoT is powering the transition to Industry 4.0, and enterprises shouldn't risk being left behind**," VentureBeat, January 26, 2023 https://venturebeat.com/data-infrastructure/iiot-is-powering-the-transition-to-industry-4-0-and-enterprises-shouldnt-risk-being-left-behind/

- Mike Dano, "**AT&T, other network operators navigate IoT turmoil**," Light Reading, January 26, 2023 https://www.lightreading.com/iot/atandt-other-network-operators-navigate-iot-turmoil/d/d-id/782905

- Paul Coventry, " **Step into your future workplace: Five insights for the year ahead**," Ericsson, January 25, 2023 https://www.ericsson.com/en/blog/2023/1/future-of-work-insights-2023

- Kevin Purdy, "**Appliance makers sad that 50% of customers won't connect smart appliances**," Ars Technica, January 24, 2023 https://arstechnica.com/gadgets/2023/01/half-of-smart-appliances-remain-disconnected-from-internet-makers-lament/

- Charlie Parton, "**Chinese Cellular IoT technology: An analysis of threats and mitigation measures**," Ooodaloop, January 23, 2023 https://www.oodaloop.com/globalrisk/2023/01/23/chinese-cellular-iot-technology-an-analysis-of-threats-and-mitigation-measures/

- Mark Chillingworth, "**eSIMs to enable CIOs to deliver IoT and savings**," Diginomica, January 19, 2023 https://diginomica.com/esims-enable-cios-deliver-iot-and-savings

- Sun Chi, "**China takes lead in IoT connections**," China Daily, January 19, 2023 https://www.chinadaily.com.cn/a/202301/19/WS63c8d70da31057c47ebaa9eb.html

Selected IoT Perspectives
The Internet of Things (IoT) and Artificial Intelligence

"The Internet of Things (IoT) and artificial intelligence (AI) are two of the fastest-growing technologies in business today. AI, the ability for computers to think like humans, continues to rapidly evolve as developers continue to create new algorithms and programming languages that make applications and ultimately business processes and programs smarter. IoT is essentially a network of internet-connected devices capable of transmitting data remotely. Combining the two together leads to AIoT Technology which can greatly boost business headed into 2023." IoT.nxt, "AIoT Technology Can Boost Business in 2023," IioT for All, December 9, 2022 https://www.iotforall.com/press-releases/aiot-technology-can-boost-business-in-2023

- See **World AI IoT Congress 2023** at the University of Washington, Seattle, June 8-10, 2023 https://worldaiiotcongress.org/

- ResearchAndMarkets.com press release, "**Global Artificial Intelligence of Things Solutions Market Report 2022: AIoT Market will Reach $83.6 Billion by 2027, Growing at 39.1% CAGR**," Business Wire, August 3, 2022 https://www.businesswire.com/news/home/20220803005630/en/Global-Artificial-Intelligence-of-Things-Solutions-Market-Report-2022-AIoT-Market-will-Reach-83.6-Billion-by-2027-Growing-at-39.1-CAGR---ResearchAndMarkets.com

- Nahla Davis, "**The AIoT Revolution: How AI and IoT Are Transforming Our World**," KDnuggets, July 22, 2022 https://www.kdnuggets.com/2022/07/aiot-revolution-ai-iot-transforming-world.html

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