GT CDAIT
Biweekly IoT News Digest (09/20 – 2)

September 2020 Highlights

COVID-19 & THE INTERNET OF THINGS

See some perspectives gathered by CDAIT on the use of IoT technologies in preventing and monitoring COVID-19 like infectious diseases & pandemic impact on IoT – as of 09/30/20 – 475 entries: https://cdait.gatech.edu/sites/default/files/covid-19_iot_january_september_30_2020.pdf

U.S. FEDERAL AGENCIES & THE INTERNET OF THINGS

U.S. Government Accountability Office (G.A.0.), "INTERNET OF THINGS: Information on Use by Federal Agencies," GAO-20-577: Published: Aug 13, 2020. Publicly Released: Sep 14, 2020 https://www.gao.gov/products/GAO-20-577

Report (49 pages) on IoT use by federal agencies can be downloaded here: https://www.gao.gov/assets/710/708800.pdf

"Many federal agencies (56 of 90) responding to GAO's survey reported using Internet of Things (IoT) technologies. Most often, agencies reported using IoT to: (1) control or monitor equipment or systems (42 of 56); (2) control access to devices or facilities (39 of 56); or (3) track physical assets (28 of 56) such as fleet vehicles or agency property. Agencies also reported using IoT devices to perform tasks such as monitoring water quality, watching the nation's borders, and controlling ships in waterway locks. Furthermore, IoT use by federal agencies may increase in the future, as many agencies reported planning to begin or expand the use of IoT."

IoT News and Market Reports
(Second Half of September 2020)

- Selected **IoT-related announcements and featured activities/topics in the second half of September 2020** gathered by CDAIT from governments; agencies; consortia; alliances; associations; standards, research and other similar groups around the world – 11 entries – See: https://cdait.gatech.edu/sites/default/files/iot_news_filings_september_2020_second_half.pdf

- Sample list of **IoT-related market reports published in the second half of Septtember 2020** gathered by CDAIT– 60 entries – See: https://cdait.gatech.edu/sites/default/files/iot_market_reports_september_2020_second_half.pdf

Georgia Tech IoT-related Info/Research Noticed by CDAIT

- Larissa S. Novelino, Qiji Ze, Shuai Wu, Glaucio H. Paulino, and Ruike Zhao, **"Untethered control of functional origami microrobots with distributed actuation**," Proceedings of the National Academy of Sciences, September 14, 2020; related article: https://rh.gatech.edu/news/639322/extending-origami-untethered-robots-and-morphing-devices - Larissa Novelino and Glaucio Paulino are with the School of Civil and Environmental Engineering at Georgia Tech.

- John Bricout, Paul M.A. Baker, Nathan W. Moon, and Bonita Sharma, "**Exploring the Smart Future of Participation: Community, Inclusivity, and People With Disabilities**," International Journal of E-Planning Research (IJEPR) 10 (2021), doi:10.4018/IJEPR.20210401.oa8 https://www.igi-global.com/article/exploring-the-smart-future-of-participation/262511 - Paul M.A. Baker and Nathan W. Moon are with the Center for Advanced Communications Policy (CACP) at Georgia Tech.

"FIRST OF ITS KIND AMONG TOP RESEARCH UNIVERSITIES": Ann Claycombe, **"New School Builds on Georgia Tech's Commitment to Advancing Cybersecurity and Privacy Education,"** GT News Center, September 14, 2020 https://news.gatech.edu/2020/09/14/new-school-builds-georgia-techs-commitment-advancing-cybersecurity-and-privacy-education

Special Reading Suggestions

Articles

- Juned Noonari, "**The Essential Technologies That Make a Building Smart**," Power Systems Design, September 28, 2020 https://www.powersystemsdesign.com/articles/the-essential-technologies-that-make-a-building-smart/34/17001

- Science Direct on IoT: "**Internet of Things,**" September 2020 https://www.sciencedirect.com/journal/internet-of-things/vol/11/suppl/C

Books

- Cameron Coursey, "**The Practicioner's Guide to Cellular IoT**," Artech House (300 pages), 2020 https://us.artechhouse.com/The-Practitioners-Guide-to-Cellular-IoT-P2118.aspx

- Wei Song, Kisung Lee, Zhisheng Yan, Liang-Jie Zhang, and Huan Chen (Eds), "**Poceedings of the International Conference on Internet of Things, ICIOT 2020, held virtually as part of SCF 2020, in Honolulu, HI, USA, in September 2020,**" https://link.springer.com/book/10.1007%2F978-3-030-59615-6#toc

Selected IoT Perspectives

Internet of Things and Litigation

- Legility, "**Emerging Data Types: The Internet of Things (IoT) and Litigation**," JD Supra, September 22, 2020 https://www.jdsupra.com/legalnews/emerging-data-types-the-internet-of-57427/

- Joseph Tate and David Walton, "**Emerging Data Types and IoT of E-Discovery in Civil Litigation**," Law.com – The Legal Intelligence, March 24, 2020, https://www.law.com/thelegalintelligencer/2020/03/24/emerging-data-types-and-iot-of-e-discovery-in-civil-litigation/?slreturn=20200823061716

- Mark Raffman and Briana Whinnie, "**IoT Litigation Rising, Especially in Wearables Sector**," Bloomberg Law, March 13, 2020, https://news.bloomberglaw.com/tech-and-telecom-law/insight-iot-litigation-rising-especially-in-wearables-sector

- Dentons, "**Connected Living and IoT Litigation – Product liability, consumer protection, privacy and other legal issues: An American and Canadian comparative perspective**," JD Supra, February 18, 2020 https://www.jdsupra.com/legalnews/connected-living-and-iot-litigation-85135/

- Jeffrey L. Poston, Cheryl A. Falvey, Evan D. Wolff, Paul M. Rosen, Jennifer S. Romano, Kristin J. Madigan, Gabriel M. Ramsey, and Laurence Winston, "**A Tangled Web: How the Internet of Things and AI Expose Companies to Increased Tort, Privacy, and Cybersecurity Litigation,**" January 22, 2020, Crowell Moring Website, https://www.crowell.com/NewsEvents/Publications/Articles/A-Tangled-Web-How-the-Internet-of-Things-and-AI-Expose-Companies-to-Increased-Tort-Privacy-and-Cybersecurity-Litigation

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