GT CDAIT
Biweekly IoT News Digest (09/20 – 1)

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 09/15/20 – 448 entries:

https://cdait.gatech.edu/sites/default/files/covid-19_iot_january_september_15_2020.pdf

LEGISLATION/REGULATION & THE INTERNET OF THINGS

National Law Review September 3, 2020 Update, Russell H. Fox, T. Scott Thompson, Angela Y. Kung, Daniel P. Reing, and Christen B'anca Glenn "**What's New In 5G – September 2020,**"

https://www.natlawreview.com/article/what-s-new-5g-september-2020

"Leading policymakers – federal regulators and legislators – are making it a top priority to ensure that the wireless industry has the tools it needs to maintain U.S. leadership in commercial 5G deployments," [which "will allow networks to handle 100 times the number of connected devices, revolutionizing business and consumer connectivity and enabling the "Internet of Things." Fox et al., National Law Review

See also: Michael Smallberg, "BGOV Bill Summary: H.R. 1668, Federal 'Internet of Things' Usage," Bloomberg Law, September 11, 2020

https://news.bloomberglaw.com/tech-and-telecom-law/bgov-bill-summary-h-r-1668-federal-internet-of-things-usage

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

- Selected **IoT-related announcements and featured activities/topics in the first 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_first_half.pdf

- Sample list of **IoT-related market reports published in the first half of Septtember 2020** gathered by CDAIT– 62 entries – See:
https://cdait.gatech.edu/sites/default/files/iot_market_reports_september_2020_first_half.pdf

Georgia Tech IoT-related Info/Research Noticed by CDAIT

- Eco Urban Lab of School of City and Regional Planning and School of Architecture at Georgia Tech, Global Carbon Project (GCP), the National Institute for Environmental Studies of Japan, and the Department of Urban Engineering of the University of Tokyo, "**Tokyo Smart City Design at Shinagawa,**" International Urban Design Studio – Spring 2020, May 2020 https://smartech.gatech.edu/handle/1853/63476

- Center for Advanced Communications Policy (CACP) [Wireless RERC], "**Technology and Disability Policy Highlights - Summer 2020,**" https://cacp.gatech.edu/news/item/637858/technology-disability-policy-highlights-summer

- Michael W. Hesse, "**Extending the lifecycle of IoT devices using selective deactivation,**" in partial fulfillment of the requirements for the MS degree in the GT School of Computer Science (work is copyrighted), August 2020 https://smartech.gatech.edu/handle/1853/63605

A harbinger of what's to come to the United States? The European Digital SME Alliance released on September 8, 2020 a position paper to recommend new rules and obligations within the context of the EU Digital Services Act proposal that should directly tackle the issues caused by a small number of large gatekeeper platforms and strengten Small and Medium-sized ICT Enterprises (SMEs) ansd startups regarding market access and fair competition
https://www.digitalsme.eu/digital/uploads/Position-paper-on-Digital-Services-Act-FINAL.pdf

Special Reading Suggestions

Articles

- Marc Kavinsky, "**The biggest IoT mistakes businesses make,**" IoT Business News, September 1, 2020
https://iotbusinessnews.com/2020/09/01/95144-the-biggest-iot-mistakes-businesses-make/

- Liudong Xing, "**Cascading Failures in Internet of Things: Review and Perspectives on Reliability and Resilience**," IEEE Internet of Things Journal, August 24, 2020 https://ieeexplore.ieee.org/abstract/document/9174628

Books

- Daniel Hein, "**The Essential Internet of Things Books for IT Administrators**," Solutions Review, August 25, 2020
https://solutionsreview.com/mobile-device-management/the-essential-internet-of-things-books-for-it-administrators/

- Milan Minkovic, "**Internet of Things: Concepts and System Design**," 2020, Springer, (306 pages)
https://www.springer.com/gp/book/9783030413453

Selected IoT Perspectives

Smart Cities and the Internet of Things

- John Spencer (podcast with Dr. Sokwoo Rhee discussing his work with smart cities and the Internet of Things), "**Smart Cities and the Military,**" Modern War Institute, September 4, 2020 https://mwi.usma.edu/smart-cities-and-the-military/

- Nicholas Nhede, "**America's 'first real-world smart city' centralises management of all IoT devices,**" Smart Energy International , September 4, 2020 https://www.smart-energy.com/industry-sectors/smart-cities/americas-first-real-world-smart-city-centralises-management-of-all-iot-devices/

- Mannu Mathew**, "Smart Cities and Infrastructure : Secure, Sustainable Smart Cities and the IoT**," ELE Times, September 2, 2020 https://www.eletimes.com/smart-cities-and-infrastructure-secure-sustainable-smart-cities-and-the-iot

- Philip Wegner, "**The Top 10 Smart City use cases that are being prioritized now,**" IoT Analytics, September 1, 2020 https://iot-analytics.com/top-10-smart-city-use-cases-prioritized-now/

- Douglas Guthrie, "**Meeting the needs of intelligent communities requires smart, new approaches,**" Jacksonville Business Journal, August 18, 2020 https://www.bizjournals.com/jacksonville/news/2020/08/18/intelligent-communities-require-smart-approaches.html

- Don Boxley, "**Massive IoT Initiative: Securing the Smart City,**" Enterprise AI, July 2, 2020 https://www.enterpriseai.news/2020/07/02/massive-iot-initiative-securing-the-smart-city/

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