



## June 2020 Highlights

### COVID-19 & THE INTERNET OF THINGS

Some perspectives gathered by CDAIT on the use of IoT technologies in preventing and monitoring COVID-19 like infectious diseases & impact on IoT – as of 06/30/20 – 330 entries:

[https://cdait.gatech.edu/sites/default/files/covid-19\\_iot\\_january\\_june\\_30\\_2020.pdf](https://cdait.gatech.edu/sites/default/files/covid-19_iot_january_june_30_2020.pdf)

### DIGITAL DIVIDE & THE INTERNET OF THINGS

Heating, Ventilating & Plumbing (UK), “Insight: Examining perceptions of smart sensors in the social housing sector,” HVP Mag, June 17, 2020  
<https://www.hvpmag.co.uk/Examining-perceptions-of-smart-sensors-in-the-social-housing-sector/11936>

Evelyn Remaley, “NTIA Data Reveal Shifts in Technology Use, Persistent Digital Divide,” NTIA, June 10, 2020  
<https://www.ntia.gov/blog/2020/ntia-data-reveal-shifts-technology-use-persistent-digital-divide>

### SECURITY RISKS & THE INTERNET OF THINGS

IoT threats and vulnerabilities identified in May-June 2020 (Kaiji, CallStranger, Ripple 20 and cybersecurity issues with IoT medical devices) + IoT Security Guidance Reports issued by the National Institute of Standards of Technology (NIST) in June 2020

[https://cdait.gatech.edu/sites/default/files/iot\\_threats\\_security\\_june\\_2020.pdf](https://cdait.gatech.edu/sites/default/files/iot_threats_security_june_2020.pdf)

# GT CDAIT

## Biweekly IoT News Digest (06/20 – 2)

### IoT News and Market Reports

(Second Half of June 2020)

- Selected IoT-related announcements and featured activities/topics in the second half of June 2020 gathered by CDAIT from governments; agencies; consortia; alliances; associations; standards, research and other similar groups around the world – 10 entries – See: [https://cdait.gatech.edu/sites/default/files/iot\\_news\\_filings\\_june\\_2020\\_second\\_half.pdf](https://cdait.gatech.edu/sites/default/files/iot_news_filings_june_2020_second_half.pdf)
- Sample list of IoT-related market reports published in the second half of June 2020 gathered by CDAIT– 64 entries – See: [https://cdait.gatech.edu/sites/default/files/iot\\_market\\_reports\\_june\\_2020\\_second\\_half.pdf](https://cdait.gatech.edu/sites/default/files/iot_market_reports_june_2020_second_half.pdf)

### Special Reading Suggestions

#### Articles

- Mushtaq Ahmad and Shazia Yousaf, “Operating Systems for Low-End Devices in the Internet of Things,” EasyChair Preprint, June 16, 2020 <https://easychair.org/publications/preprint/1pLD>
- Patrick Grossetete, “IoT and the Network: What is the future?” Cisco Website, June 22, 2020 <https://blogs.cisco.com/networking/iot-and-the-network-what-is-the-future>
- Iain Morris, “How NB-IoT bombed: An IoT tale of hubris and no-show,” Light Reading, June 25, 2020 <https://www.lightreading.com/iot/how-nb-iot-bombed-an-iot-tale-of-hubris-and-no-show/a/d-id/761969>

#### Books

- Scott J. Shackleford, “The Internet of Things: What Everyone Needs to Know,” Oxford University Press, June 2020, 208 pages [https://books.google.com/books/about/The\\_Internet\\_of\\_Things.html?id=g9XTyQEACAAJ](https://books.google.com/books/about/The_Internet_of_Things.html?id=g9XTyQEACAAJ)
- The Economist/Intelligence Unit “The Internet of Things: Applications for Business - Exploring the transformative potential of IoT,” eiu website, June 23, 2020, 41 pages - pdf report and infographic available here: <https://www.eiu.com/n/the-internet-of-things-applications-for-industry/>
- John Thornhill, “Summer Books: Technology,” Financial Times (UK), June 26, 2020 <https://www.ft.com/content/7df43664-b146-11ea-a4b6-31f1eedf762e> (Note: Laura Denardis, “The Internet in Everything: Freedom and Security in a World with No Off Switch”)

### Selected IoT Perspectives

#### The Internet of Things and Sustainability

- Connected World Editorial, “Pursuing Sustainability - One Smart Home, One Connected Community at a Time,” Connected World (“It’s All about IoT”), June 2020 [https://connectedworld.com/-pdf available here: https://cdait.gatech.edu/sites/default/files/connected\\_world\\_magazine\\_june\\_2020\\_sustainability\\_smart\\_homes\\_connected\\_communities.pdf](https://connectedworld.com/-pdf-available-here:https://cdait.gatech.edu/sites/default/files/connected_world_magazine_june_2020_sustainability_smart_homes_connected_communities.pdf) and also Peggy Smedley, “IoT and the Circular Economy,” Connected World, June 10, 2020 <https://connectedworld.com/iot-in-sustainability-and-circular-economy/>
- Industrial Internet Consortium and IoT Alliance Australia, “How Digital Transformation and IoT Can Contribute to the UN Sustainable Development Goals,” White Paper, June 22, 2020 [https://www.iiconsortium.org/pdf/IIC\\_IOTAA\\_DX\\_UN\\_SDG\\_White\\_Paper\\_2020-06-22.pdf](https://www.iiconsortium.org/pdf/IIC_IOTAA_DX_UN_SDG_White_Paper_2020-06-22.pdf)

Articles related to CDAIT's conference at Georgia Tech on IoT and Sustainability in July 2019:

- David Greenfield, “The Intersection of IoT and Sustainability -- Georgia Tech hosts an event connecting the dots between the corporate and societal digital transformations,” Automation World, August 6, 2019, <https://www.automationworld.com/article/industry-type/all/intersection-i...>
- Alan Varghese, “The first to be second: Scaling from IoT pilots to mass deployments to sustainability,” LinkedIn Blog, July 21, 2019, <https://www.linkedin.com/pulse/first-second-alan-a-varghese/>
- Alain Louchez (invited bylined article at the request of the International Telecommunication Union [ITU], United Nations), “Why it makes business sense to link the Internet of Things and sustainability,” ITU News, July 25, 2019 <https://news.itu.int/business-sense-link-internet-things-sustainability> and
- Denise Ward, “CDAIT Hosts Forum to Explain Why IoT for Sustainability is Smart Business,” Georgia Tech News Center, July 19, 2019 <https://news.gatech.edu/2019/07/19/georgia-tech-cdait-hosts-forum-explai...>