



## 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 07/31/2021 - 910 entries:

[https://devcdait.gatech.edu/sites/default/files/ovid-19\\_iot\\_january\\_2020\\_july\\_31\\_2021.pdf](https://devcdait.gatech.edu/sites/default/files/ovid-19_iot_january_2020_july_31_2021.pdf)

## GOVERNANCE & THE INTERNET OF THINGS

Kangkyu Lee, “Cooling Off China-US Technological Competition: A Blueprint in Shared Purpose,” The Diplomat, July 23, 2021 <https://thediplomat.com/2021/07/cooling-off-china-us-technological-competition-a-blueprint-in-shared-purpose/>

Maria Henriquez, “Preparing for new data privacy regulations,” Security Magazine, July 22, 2021 <https://www.securitymagazine.com/articles/95699-minutes-with-steve-grewal-preparing-for-new-data-privacy-regulations>

Newmeter Network, “The Confederation of Indian Industry (CII) Welcomes Andhra Pradesh IT Policy, Suggest Reforms to Help Industries,” Newsmeter, July 18, 2021 <https://newmeter.in/regional/andhra-pradesh/cii-welcomes-ap-it-policy-suggests-reforms-to-help-industries-680827>

Innovation, Science and Economic Development Canada press release, “The Government of Canada Launches Consultation on a Modern Copyright Framework for AI and the Internet of Things,” CNW, July 16, 2021 <https://www.newswire.ca/news-releases/the-government-of-canada-launches-consultation-on-a-modern-copyright-framework-for-ai-and-the-internet-of-things-811157494.html>

Kevin C. Tofel, “Even the FCC agrees: 60 GHz radar is big for the Internet of Things,” Stacey on IoT, July 14, 2021 <https://staceyoniot.com/even-the-fcc-agrees-60-ghz-radar-is-big-for-the-internet-of-things/>

Philip Wegner, “What CEOs talked about in Q2 of 2021: Inflation, chip shortage, and recruiting,” IoT Analytics, July 13, 2021 <https://iot-analytics.com/what-ceos-talked-about-q2-2021/>

# GT CDAIT

## Biweekly IoT News Digest (07/21 – 2)

### Georgia Tech IoT-related IoT News and Market Reports Info/Research Noticed by CDAIT

(Second Half of July 2021)

- 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://devcdait.gatech.edu/sites/default/files/iot\\_news\\_filings\\_july\\_2021\\_second\\_half.pdf](https://devcdait.gatech.edu/sites/default/files/iot_news_filings_july_2021_second_half.pdf)
- Sample list of IoT-related market reports gathered by CDAIT– 75 entries – See: [https://devcdait.gatech.edu/sites/default/files/iot\\_market\\_reports\\_july\\_2021\\_second\\_half.pdf](https://devcdait.gatech.edu/sites/default/files/iot_market_reports_july_2021_second_half.pdf)

- Paul Baker and Jeremy Solomon, “Platforms, Pandemics and Policy: Technology Innovation and the Internet of Things,” 26th International Political Science Association (IPSA) World Congress of Political Science, July, 2021, Lisbon, Portugal <https://www.ipsa.org/wc/paper/platforms-pandemics-and-policy-technology-innovation-and-internet-things>
- David Gamero, “SQL And NoSQL Databases for Cyber Physical Production Systems in Internet of Things for Manufacturing (IoTfM),” MS Thesis, School of Mechanical Engineering, Georgia Tech, April 2021 <https://smartech.gatech.edu/handle/1853/64678>
- Ahan Kak, “Towards 6G Through SDN and NFV-Based Solutions for Terrestrial and Non-Terrestrial Networks,” Ph.D. Dissertation, School of Electrical and Computer Engineering, Georgia Tech, May 2021 <https://smartech.gatech.edu/handle/1853/64746>

**OF NOTE:** Forbes Expert Panel, “11 Emerging Business Opportunities In The Internet Of Things Sector,” Forbes, July 23, 2021 <https://www.forbes.com/sites/theyec/2021/07/23/11-emerging-business-opportunities-in-the-internet-of-things-sector/?sh=4f11f16c20e9>

Joe Devanesan, “The tantalizing business opportunity presented by IoT,” Tech HQ, July 23, 2021 <https://techhq.com/2021/07/the-tantalizing-business-opportunity-presented-by-iot/>

**BREAKING NEWS:** Georgia Tech received on July 29, 2021 two National Science Foundation (NSF) Artificial Intelligence Research Institute awards (on aging and optimization), totaling \$40 million. A third award (on adult online education) for \$20 million was granted to the Georgia Research Alliance (GRA), with Georgia Tech serving as one of the leading academic institutions <https://research.gatech.edu/georgia-tech-joins-us-national-science-foundation-advance-ai-research-and-education>

## Special Reading Suggestions

- Vinay K. Mayer, “Leading with Artificial Intelligence and the Internet of Things in the Business Age,” Indian Retailer, July 30 2021 <https://www.indianretailer.com/article/technology/digital-trends/leading-with-artificial-intelligence-and-the-internet-of-things-in-the-business-age.7249/>
- IoT Business News editorial, “Getting to market faster with your IoT product,” IoT Business News, July 22, 2021 <https://iotbusinessnews.com/2021/07/22/98509-getting-to-market-faster-with-your-iot-product/>
- Tom Wadlaw, “Education programs are critical to arming the next-generation manufacturing workforce with the required skills,” Global Trade, July 15, 2021 <https://www.globaltrademag.com/education-programs-are-critical-to-arming-the-next-generation-manufacturing-workforce-with-the-required-skills/>
- Nick Earle, “Overcoming the regional barriers to global IoT connectivity,” IoT Tech News, July 15, 2021 <https://iottechnews.com/news/2021/jul/15/overcoming-the-regional-barriers-to-global-iot-connectivity/>

## Selected IoT Perspectives

### The Internet of Behavior as an extension of the Internet of Things

- Kamal R “What Is the Internet of Behavior (IoB)?,” IoT for All, July 19, 2021 <https://www.iotforall.com/internet-of-behavior>
- Susanti Sarkar, “Internet of Behaviour: A boon or a breach of privacy?,” Media India Group, July 19, 2021 <https://mediaindia.eu/business/internet-of-behaviour-a-boon-or-a-breach-of-privacy/>
- Ed Randall, “The Internet of Behavior: What is it and how concerned should we be?” Solve, June 24, 2021 <https://www.rackspace.com/solve/internet-behavior-what-it>
- Chioma Abeakanma, “What Is the Internet of Behaviors and How Does It Affect You?,” Make Use of, June 22, 2021 <https://www.makeuseof.com/what-is-the-internet-of-behaviors-and-how-does-it-affect-you/>
- Natasha Bihgwade, “Internet of Behavior (IoB) and its Influence on Human Behavioral Psychology,” Modern Diplomacy, June 16, 2021 <https://moderndiplomacy.eu/2021/06/16/internet-of-behavior-iob-and-its-influence-on-human-behavioral-psychology/>
- Sakshi Sood, “The Future: Internet of Behaviour,” Tech Thirsty, June 15, 2021 <https://www.techthirsty.com/the-future-internet-of-behaviour/>
- Ksenija Kolomiets and Alex Phell, “What is the Internet of Behavior And Why is it Important for Business?” gbkssoft, April 20, 2021 <https://gbkssoft.com/blog/internet-of-behaviors/>
- TechFunnel Author, “What Is the Internet of Behaviors? – A Guide,” Tech Funnel, May 16, 2021 <https://www.techfunnel.com/information-technology/internet-of-behaviors/>
- International Banker, “What is the Internet of Behaviour,” International Banker, January 13, 2021 <https://internationalbanker.com/technology/what-is-the-internet-of-behaviour/>

**Research background info (sample):** Christian Stary, “Digital Twin Generation: Re-Conceptualizing Agent Systems for Behavior-Centered Cyber-Physical System Development,” Sensors. 2021; 21(4):1096. <https://doi.org/10.3390/s21041096>; Christian Stary (2020) “The Internet-of-Behavior as Organizational Transformation Space with Choreographic Intelligence,” In: Freitag M., Kinra A., Kotzab H., Kreowski H.J., Thoben K.D. (eds) Subject-Oriented Business Process Management. The Digital Workplace – Nucleus of Transformation. S-BPM ONE 2020. Communications in Computer and Information Science, vol 1278. Springer, Cham. [https://doi.org/10.1007/978-3-030-64351-5\\_8](https://doi.org/10.1007/978-3-030-64351-5_8)