



## 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 05/15/2021 - 800 entries:

[https://devcdait.gatech.edu/sites/default/files/ovid-19\\_iot\\_january\\_2020\\_may\\_15\\_2021.pdf](https://devcdait.gatech.edu/sites/default/files/ovid-19_iot_january_2020_may_15_2021.pdf)

## GOVERNANCE & THE INTERNET OF THINGS

Robert D. Atkinson, “Building Back Better” Requires Building In Digital,” Information Technology and Innovation Foundation, May 10, 2021

<https://itif.org/publications/2021/05/10/building-back-better-requires-building-digital>

International Corporate Governance Network (ICGN) Viewpoint, “Governance and Big Tech: Setting the tone on data, privacy and (mis)information,” Cision, May 10, 2021 <https://news.cision.com/international-corporate-governance-network/r/governance-and-big-tech--setting-the-tone-on-data--privacy-and--mis-information,c3344462--pdf> is [here](#)

U.S. Department of Defense, “DOD Expands Hacker Program to All Publicly Accessible Defense Information Systems,” US DoD, May 4, 2021

<https://www.defense.gov/Explore/News/Article/Article/2595294/dod-expands-hacker-program-to-all-publicly-accessible-defense-information-syste/>

A. Tarantola, “The EU’s proposed AI laws would regulate robot surgeons but not the military,” Engadget, April 30, 2021

<https://www.engadget.com/eu-proposed-ai-laws-would-regulate-robot-surgeons-but-not-military-killbots-160049010.html>

European Commission, “Mapping Internet of Things innovation clusters in Europe,” including Europe’s Internet of Things policy, last updated March 30, 2021

<https://digital-strategy.ec.europa.eu/en/policies/iot-innovation-clusters>

# GT CDAIT

## Biweekly IoT News Digest (05/21 – 1)

### Georgia Tech IoT-related Info/Research Noticed by CDAIT

#### IoT News and Market Reports

(First Half of May 2021)

- Selected IoT-related announcements and featured activities/topics in the first half of May 2021 gathered by CDAIT from governments; agencies; consortia; alliances; associations; standards, research and other similar groups around the world – 15 entries - See: [https://devcdait.gatech.edu/sites/default/files/iot\\_news\\_filings\\_may\\_2021\\_first\\_half.pdf](https://devcdait.gatech.edu/sites/default/files/iot_news_filings_may_2021_first_half.pdf)
- Sample list of IoT-related market reports published in the first half of May 2021 gathered by CDAIT– 83 entries – See: [https://devcdait.gatech.edu/sites/default/files/iot\\_market\\_reports\\_may\\_2021\\_first\\_half.pdf](https://devcdait.gatech.edu/sites/default/files/iot_market_reports_may_2021_first_half.pdf)

- Julia Edinger, “Partnership Puts Weight Behind Making Georgia a Tech Go-To,” Government Technology, May 12, 2021 <https://www.govtech.com/civic/partnership-puts-weight-behind-making-georgia-a-tech-go-to>
- Sarah Farmer (GT CACP) et al., “The RADx [Rapid Acceleration of Diagnostics] Tech Test Verification Core and the ACME POCT [Atlanta Center for Microsystems Engineered Point-of-Care Technologies] in the Evaluation of COVID-19 Testing Devices: A Model for Progress and Change,” IEEE Open Journal of Engineering in Medicine and Biology (Volume: 2), April 28, 2021 <https://ieeexplore.ieee.org/document/9418534>
- Ya Yang and Zhong Lin Wang, “Emerging nanogenerators: Powering the Internet of Things by high entropy energy,” iScience (2021), <https://doi.org/10.1016/j.isci.2021.102358>

**OF NOTE:** Edgard Capdevielle, “OT and IoT Security: Adopt a Post-Breach Mindset Today,” Security Boulevard, May 15, 2021 <https://securityboulevard.com/2021/05/ot-and-iot-security-adopt-a-post-breach-mindset-today/> Gramma Tech press release, “VDC Research Study Finds Only Half of IoT Projects are Testing for Software Security,” May 12, 2021 <https://www.businesswire.com/news/home/20210512005116/en/VDC-Research-Study-Finds-Only-Half-of-IoT-Projects-are-Testing-for-Software-Security>

### Special Reading Suggestions

- Will Knight, “To Make These Chips More Powerful, IBM Is Growing Them Taller,” [about 50 billion transistors on a chip!] Wired, May 6, 2021 [https://www.wired.com/story/chips-more-powerful-ibm-growing-taller/?mc\\_cid=488cc0d468&mc\\_eid=cf0b0e87e1](https://www.wired.com/story/chips-more-powerful-ibm-growing-taller/?mc_cid=488cc0d468&mc_eid=cf0b0e87e1)
- IT Telecom, “90% of enterprises state Internet of Things crucial for their digital transformation plans: Omdia,” ET Telecom (India), May 5, 2021 <https://telecom.economicstimes.indiatimes.com/news/90-of-enterprises-state-internet-of-things-crucial-for-their-digital-transformation-plans-omdia/82405986>
- Lauren Horwitz, “Resource Constraints Undercut the ROI of IoT at the Edge,” IoT World Today, May 4, 2021 <https://www.iotworldtoday.com/2021/05/04/resource-constraints-undercut-the-roi-of-iot-at-the-edge/>

### Selected IoT Perspectives

#### Internet of Things and Accessibility

- William Patrick Slattery, “IoT for the Disabled – Breaking Barriers and Changing Lives,” Readwrite, April 20, 2021 <https://readwrite.com/2021/04/20/iot-for-the-disabled-breaking-barriers-and-changing-lives/>
- Sean Fleming, “These 3 tech visionaries are reinventing the wheelchair,” World Economic Forum, March 23, 2021 <https://www.weforum.org/agenda/2021/03/technology-wheelchairs-reinvention-accessibility/>
- Noah Rue, “Internet of Things Technology & Accessibility in Healthcare,” Healthcare Guys, February 16, 2021 <https://www.healthcareguys.com/2021/02/16/internet-of-things-technology-accessibility-in-healthcare/>
- Carlos M. Gonzales, “5 Smart Assistive Technology Devices,” The Association of Mechanical Engineers, February 10, 2021 <https://www.asme.org/topics-resources/content/5-smart-assistive-technology-devices>

**Research background info:** The Sixth International Conference on Universal Accessibility in the Internet of Things and Smart Environments - Smart Accessibility 2021, July 18, 2021 to July 22, 2021 - Nice, France (onsite and online options) <https://www.aria.org/conferences2021/SMARTACCESSIBILITY21.html>; Max Ulloa, Daniela Prado-Cabrera, and Priscila Cedillo, “Systematic Literature Review of Internet of Things Solutions Oriented to People with Physical and Intellectual Disabilities,” ICT4AWE 2021 oral presentations, April 24, 2021 <https://www.insticc.org/node/TechnicalProgram/ict4awe/2021/presentationDetails/104809>; Bricout, John, 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 (IJEP) 10, Volume 10, Issue 2, April-June 2021, doi:10.4018/IJEP.20210401.0a8 <https://www.igi-global.com/article/exploring-the-smart-future-of-participation/262511>; Jorge R. Beingolea, Renato Hualpa, Xiomara Vilca, Juan Borja, and Jorge Rendulich, “Accessibility Support in Urban Space,” 2020 IEEE International Conference on Internet of Things and Intelligence System (IoT&IS), Date of Conference: 27-28 Jan. 2021, Date Added to IEEE Xplore: 23 February 2021 <https://ieeexplore.ieee.org/document/9359691>; Lee H, Park YR, Kim H, Kang NY, Oh G, Jang I, Lee E, “Discrepancies in Demand of Internet of Things Services Among Older People and People With Disabilities, Their Caregivers, and Health Care Providers: Face-to-Face Survey Study,” Journal of Medical Internet Research, April 2020;22(4):e16614 <https://www.jmir.org/2020/4/e16614/>; Future of Privacy Forum, “The Internet of Things (IoT) and People with Disabilities: Exploring the Benefits, Challenges and Privacy Tensions,” IAPP (International Association of Privacy Professionals), January 2019 [https://iapp.org/media/pdf/resource\\_center/The\\_Internet\\_of\\_Things\\_and\\_Persons\\_with\\_Disabilities.pdf](https://iapp.org/media/pdf/resource_center/The_Internet_of_Things_and_Persons_with_Disabilities.pdf); Scott Hollier and Shadi Abou-Zhara, “Internet of Things (IoT) as Assistive Technology: Potential Applications in Tertiary Education,” W4A '18: Proceedings of the 15th International Web for All Conference, April 2018 Article No.: 3, Pages 1–4 <https://doi.org/10.1145/3192714.3192828>