



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 and related issues – as of 11/15/2021 – 1047 entries:

https://devcdait.gatech.edu/sites/default/files/ovid-19_iot_january_2020_november_15_2021.pdf

GOVERNANCE & THE INTERNET OF THINGS

Richard Godwin, “Houses of tomorrow: A more hopeful vision of domesticity, or a dystopian nightmare?” The Guardian [UK], November 14, 2021 <https://www.theguardian.com/lifeandstyle/2021/nov/14/houses-of-tomorrow-a-more-hopeful-vision-of-domesticity-or-a-dystopian-nightmare>

Yvonne Tuah, “Usage of IoT can improve bottom-line, ESG [Environmental, Social and Governance] rating,” The Borneo Post, November 7, 2021 <https://www.theborneopost.com/2021/11/07/usage-of-iot-can-improve-bottom-line-esg-rating/>

Nick Pipitone, “How Privacy Concerns Can Derail a Smart City,” Propmodo, November 6, 2021 <https://www.propmodo.com/how-privacy-concerns-can-derail-a-smart-city/>

Harbor Research, “Open Source is Taking Over the World,” Harbor Research Website, November 4, 2021 <https://harborresearch.com/open-source-is-taking-over>

Sujit John & Shilpa Phadnis, “IoT+AI+5G: world’s in the midst of a massive revolution.” The Times of India, November 3, 2021 <https://timesofindia.indiatimes.com/business/india-business/iotai5g-worlds-in-the-midst-of-a-massive-revolution/articleshow/87499557.cms>

Elena Sánchez Nicolás, “EU sets new cybersecurity rules for wireless ‘internet of things,’” Euro Observer, November 2, 2021 <https://euobserver.com/democracy/153385>

Global X ETFs, “Japan’s Robot Dominance,” Seeking Alpha, November 2, 2021 <https://seekingalpha.com/article/4464361-japans-robot-dominance>

GT CDAIT

Biweekly IoT News Digest (11/21 – 1)

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

(First Half of November 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 – 15 entries – See: https://devcdait.gatech.edu/sites/default/files/iot_news_filings_november_2021_first_half.pdf
- Sample list of IoT-related market reports gathered by CDAIT– 89 entries – See: https://devcdait.gatech.edu/sites/default/files/iot_market_report_s_november_2021_first_half.pdf

- Alain Louchez, “The Industrial Internet of Things in 2021 – A Manufacturing perspective,” 2021 annual IoT for Manufacturing (IoTFM) Symposium, GT Manufacturing Institute, November 10, 2021 <https://www.theinternetofthings.eu/industrial-internet-things-manufacturing-perspective>
- Yong Kwon Cho and Chao Wang, “Special Collection on Information Technology and the Built Environment,” Journal of Construction Engineering and Management, Vol. 147, Issue 11 (November 2021) <https://ascelibrary.org/doi/full/10.1061/%28ASCE%29CO.1943-7862.0002191>
- Dan Li, “Online Detection Against Cyberattacks In Cyber-Physical Systems,” Ph.D. Dissertation, Georgia Tech H. Milton School of Industrial and Systems Engineering, August 2021 <https://smartech.gatech.edu/handle/1853/65046>

OF NOTE: Philip Wegner, “6 IoT adoption trends for 2022,” IoT Analytics, November 11, 2021 <https://iot-analytics.com/iot-adoption-trends/>; Brandon Vigiariolo, “2022 will be the year of convergence between edge, IoT and networking tech, Forrester predicts,” Tech Republic, November 4, 2021 <https://www.techrepublic.com/article/2022-will-be-the-year-of-convergence-between-edge-iot-and-networking-tech-forrester->

Special Reading Suggestions

- The Economist, “The Other Metaverse – Companies want to build a virtual realm to copy the real world – Linking the digital and physical world could unlock innovation,” The Economist, November 13, 2021 <https://www.economist.com/business/2021/11/13/companies-want-to-build-a-virtual-realm-to-copy-the-real-world>
- VB Staff, “[Oracle’s “Five Best Practices of Leading IoT Adopters”] Report: 64% of IT execs prefer a simplified path to IoT deployment,” VentureBeat, November 11, 2021 <https://venturebeat.com/2021/11/11/report-64-of-it-exec-prefer-a-simplified-path-to-iot-deployment/> [Report is here: https://www.oracle.com/oc/oc/assets/CONTB5013947C7345A5961A9A66E75C2BB/native/oracle-five-best-practices-of-iot-adopters.pdf?elq_mid=207246&sh=261402232615161221101214191209&cmid=WWMK210304P00080]
- Ericsson, “How to maximize IoT to advance the micromobility market,” Ericsson website, November 8, 2021 <https://www.ericsson.com/en/news/2021/11/how-to-maximize-iot-to-advance-the-micromobility-market>
- Martin Banks, “Eight IoT predictions for the next decade,” TechAeris, November 4, 2021 <https://techaeris.com/2021/11/04/eight-iot-predictions-for-the-next-decade/>
- Liv, “What Is the Internet of Robotic Things and What Can It Do?” Robotics and Automation News, November 2, 2021 <https://roboticsandautomationnews.com/2021/11/02/what-is-the-internet-of-robotic-things-and-what-can-it-do/46899/>
- Greg Nichols, “Industry 4.0 gets its first unicorn - How this major player in AI + IoT is leading the pack and saving the supply chain during the Industry 4.0 revolution,” ZDNet, November 2, 2021 <https://www.zdnet.com/article/industry-4-0-gets-its-first-unicorn/>
- Phil Britt, “4 Ways the Internet of Things Is Enhancing Customer Experience” CMW Wires, November, 1, 2021 <https://www.cmswire.com/customer-experience/4-ways-the-internet-of-things-is-enhancing-customer-experience/>

Selected IoT Perspectives The Internet of Things and contactless/touchless technologies

- Tatsiana Kuchminskaia, “The Benefits of IoT in Banking for Clients and Businesses,” Finextra, November 8, 2021 <https://www.finextra.com/blogposting/21220/the-benefits-of-iot-in-banking-for-clients-and-businesses>
 - Adam Blair, “Top 10 Contactless Trends to Watch in 2022,” Retail TouchPoints, November 3, 2021 <https://retailtouchpoints.com/features/industry-insights/top-10-contactless-trends-to-watch-in-2022>
 - Shubhankar Gautam, “IoT and payments: a new normal of touchless connected experiences,” Fintech News, July 20, 2021 <https://www.fintechnews.org/iot-and-payments-a-new-normal-of-touchless-connected-experiences-2/>
 - Ayla Networks, “COVID’s ‘Contactless Economy’ Spurs Faster Digital Transformation with IoT,” Ayla Networks Blog, April 30, 2021 <https://www.aylanetworks.com/blog/covids-contactless-economy-spurs-faster-digital-transformation-with-iot>
 - Kate Prohorchik, “IoT As A Major Enabler Of Touchless Retail,” Retail IT, January 20, 2021 <https://www.retailinsights.com/doc/iot-as-a-major-enabler-of-touchless-retail-0001>
 - David Smith, “What Is The Current State Of Contactless Payments And the IoT,” Latin American Post, October 7, 2020 <https://latinamericanpost.com/34614-what-is-the-current-state-of-contactless-payments-and-the-iot>
 - Alex Dopplinger, “Bringing touchless control to the industrial IoT,” Electronics Products and Technology, September 28, 2020 <https://www.ept.ca/features/bringing-touchless-control-to-the-industrial-iot/>
- Research background info (sample):** Muhammad Zahid Iqbal, Abraham G. Campbell, “From luxury to necessity: Progress of touchless interaction technology,” Technology in Society, Volume 67, November 2021, 101796, ISSN 0160-791X, <https://doi.org/10.1016/j.techsoc.2021.101796>; D. F. Q. Melo, B. M. C. Silva, N. Pombo and L. Xu, “Internet of Things Assisted Monitoring Using Ultrasound-Based Gesture Recognition Contactless System,” in IEEE Access, vol. 9, pp. 90185-90194, online June 16, 2021, <https://ieeexplore.ieee.org/document/9456892>; Arunmozhi Manimuthu, Venugopal Dharshini, Ioannis Zografopoulos, M. K. Priyan, and Charalambos Konstantinou “Contactless Technologies for Smart Cities: Big Data, IoT, and Cloud Infrastructures,” SN COMPUT. SCI. 2, 334 (2021), online June 11, 2021 <https://doi.org/10.1007/s42979-021-00719-0> and <https://www.ncbi.nlm.nih.gov/pmc/articles/PMC8193953/>;