

GT CDAIT

Biweekly IoT News Digest (02/23-1)

CHRONICLE OF DIGITAL TRANSFORMATION THROUGH INTERNET OF THINGS TECHNOLOGIES

Some biweekly perspectives from around the globe gathered by CDAIT

(950 entries since April 1, 2022) https://cdait.gatech.edu/sites/default/f

GOVERNANCE & THE INTERNET OF THINGS

Bi Ran, "Internet of Things: Convention opens in Beijing with calls for global cooperation and more innovation," CGTN,

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Rich Stroffolino, "Cyber Security Headlines: collect PII, the AI chatbot race is on," CISO

Roslyn Layton, "Toward An Unhackable

Kartik Raman, "How data governance and in manufacturing," The Manufacturer, February

Goodwin, "EU Technology Regulation: Watch List for 2023 and Beyond," JD Supra,

https://www.jdsupra.com/legalnews/eu-technology-regulation-watch-list-for-4123803/

Robert Ackerman Jr. "What's in the Cards for Cybersecurity in 2023;" Tripwire, February 6, 2023 https://www.tripwire.com/state-of-security/whats-cards-cybersecurity

Quantum Encryption and IoT Labels," Security Intelligence, February 1, 2023 https://securityintelligence.com/news/white-

Matthew Margetts, "How Can IoT Improve the Lives of the Elderly and Vulnerable?" Digit, January 30, 2023 https://www.digit.fyi/how-can-iot-improve-the-lives-of-the-elderly-and-vulnerable/

IoT News and Market Reports

(First Half of February 2023)

- 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://cdait.gatech.edu/sites/default/files/2023-02/IoT_News_Filings_February_2023__First_Half.pdf
- Sample list of IoT-related market reports gathered by CDAIT- 84 entries - See: https://cdait.gatech.edu/sites/default/files/2023-02/IoT_Market_Reports_February_2023_First_Half.pdf

Georgia Tech IoT-related Info/Research Noticed by CDAIT

- J Knight, Thora, Xiaojun Yuan, DeeDee Bennett Gayle, and Salimah LaForce. "Responding to COVID-19: Privacy Implications of the Rapid Adoption of ICTs," In Social Vulnerability to COVID-19: Impacts of Technology Adoption and Information Behavior, pp. 107-126. Cham: Springer International Publishing, 2023 https://link.springer.com/chapter/10.1007/978-3-031-06897-3_7
- Liu, Shijie, Xi Liang, Pengfei Chen, Hairong Long, Tao Jiang, and Zhong Lin Wang.
 "Multilayered Helical Spherical Triboelectric Nanogenerator with Charge Shuttling for Water Wave Energy Harvesting," Small Methods (2023): 2201392. https://onlinelibrary.wiley.com/doi/abs/10.1002/smtd.202201392
- $Wong, Richmond\ Y., Andrew\ Chong, and\ R.\ Cooper\ Aspegren.\ "Privacy\ Legislation\ as\ Business\ Risks:\ How\ GDPR\ [EU's\ General\ Data\ Protection\ Regulation]\ and\ CCPA$ [California Consumer Privacy Act] are Represented in Technology Companies' Investment Risk Disclosures." Proceedings of the ACM on Human-Computer Interaction 7, no. CSCW1 (April 2023) https://escholarship.org/content/qt9mh2h52k/qt9mh2h52k.pdf

OF NOTE: Fira de Barcelona press release, "IOT Solutions World Congress [Barcelona, Spain] closes a successful 2023 edition and outlines the future of an efficient and sustainable industry 5.0," Globe Newswire, February 2, 2023 https://www.globenewswire.com/newsrelease/2023/02/02/2600791/0/en/IOT-Solutions-World-Congress-closes-a-successful-2023-edition-and-outlines-the-future-of-an-efficient-and-sustainable-decomposition and the sustainable-decomposition and the suindustry-5-0.html --- Ali Asad Sabir and Waleed Mehmood "The ChatGPT craze: are we ready to take a back seat to AI?" Tribune Magazine, February 5, 2023 https://tribune.com.pk/story/2399500/the-chatgpt-craze-are-we-ready-to-take-a-back-seat-to-ai

Special Reading Suggestions

- IoT Business News posting, "4 Reasons Why Penetration Testing Is Crucial For IT and IoT Systems," IoT Business News, February 13, 2023 https://iotbusinessnews.com/2023/02/13/84062-4-reasons-why-penetration-testing-is-crucial-for-it-and-iot-systems/2023/02/13/84062-4-reasons-why-penetration-testing-is-crucial-for-it-and-iot-systems/2023/02/13/84062-4-reasons-why-penetration-testing-is-crucial-for-it-and-iot-systems/2023/02/13/84062-4-reasons-why-penetration-testing-is-crucial-for-it-and-iot-systems/2023/02/13/84062-4-reasons-why-penetration-testing-is-crucial-for-it-and-iot-systems/2023/02/13/84062-4-reasons-why-penetration-testing-is-crucial-for-it-and-iot-systems/2023/02/13/84062-4-reasons-why-penetration-testing-is-crucial-for-it-and-iot-systems/2023/02/13/84062-4-reasons-why-penetration-testing-is-crucial-for-it-and-iot-systems/2023/02/13/84062-4-reasons-why-penetration-testing-is-crucial-for-it-and-iot-systems/2023/02/13/84062-4-reasons-why-penetration-testing-is-crucial-for-it-and-iot-systems/2023/02/13/84062-4-reasons-why-penetration-testing-is-crucial-for-it-and-iot-systems/2023/02/13/84062-4-reasons-why-penetration-testing-is-crucial-for-it-and-iot-systems/2023/02/13/84062-4-reasons-why-penetration-testing-is-crucial-for-it-and-iot-systems/2023/02/13/84062-4-reasons-why-penetration-testing-is-crucial-for-it-and-iot-systems/2023/02/13/84062-4-reasons-why-penetration-testing-is-crucial-for-it-and-iot-systems/2023/02/13/84062-4-reasons-why-penetration-testing-is-crucial-for-it-and-iot-systems/2023/02/13/8406-4-reasons-why-penetration-testing-is-crucial-for-it-and-iot-systems/2023/02/13/8406-4-reasons-why-penetration-testing-is-crucial-for-it-and-iot-systems/2023/02/13/8406-4-reasons-why-penetration-testing-is-crucial-for-it-and-iot-systems/2023/02/13/8406-4-reasons-why-penetration-testing-is-crucial-for-it-and-iot-systems/2023/02/13/8406-4-reasons-why-penetration-testing-is-crucial-for-it-and-iot-systems/2023/02/13/8406-4-reasons-why-penetration-testing-is-crucial-for-it-and-iot-systems/2023/02/13/8406-4-reasons-why-penetration-testing-is-crucial-for-it-and-iot-systems/2023/02/13/8406-4-reasons-why-penetration-testing-is-crucial-for-it-
- Allan Tan, "Supercharging IoT with edge computing," FutrueIoT, February 10, 2023 https://futureiot.tech/supercharging-iot-with-edge-computing/
- Shannon Williams, "Global IoT market size set to grow 19% in 2023 report," IT Brief (Australia), February 9, 2023 https://itbrief.com.au/story/global-iot-market-size-set-to-grow-19-in-2023-report
- GlobalData, "IoT innovation: Leading companies in ingestible sensors for the medical devices industry," Medical Device Network, Februaty 6, 2023 https://www.medicaldevice-network.com/data-insights/innovators-iot-indigestible-sensors-medical-devices/
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- Sean Birell and Carter Hofmann, "To agriculture and beyond: a look at how IoT technology is transcending industry silos," Trade Finance Global, January 31, 2023 https://www.tradefinanceglobal.com/posts/agriculture-beyond-iot-technology-transcending-industry-silos/

Selected IoT Perspectives The Connection Between IoT and DevOps

"IoT and DevOps are the latest additions to the information technology sector. DevOps is the combination of 'Development and Operations' while IoT represents the 'Internet of Things'. DevOps is a complete software delivery procedure that emphasizes the collaboration between operations and developers' team. It includes product lifecycle management, developing operations and software professionals." Gourav Sharma, "What is the Connection Between IoT and DevOps?," Milesweb, September 14, 2021 https://www.milesweb.com/blog/technology-hub/what-is-the-connection-between-iot-and-devops;

- Zaveria, "The top scripting languages useful for DevOps professionals are enlisted in this article," Analytics Insight, January 26, 2023 https://www.analyticsinsight.net/top-10-scripting-languages-useful-for-devops-professionals-in-2023/
- Nikhil Sonawane, "DevOps and Industrial Internet of Things (IIoT)," Enterprise Talk, October 31, 2022 https://enterprisetalk.com/featured/devops-and-industrial-internet-of-things-iiot/
- Linda Rosencrance, "Assessing the Advantages of DevOps For IoT Performance Testing," IoT World Today, July 6, 2021 https://www.iotworldtoday.com/iiot/assessing-the-advantages-of-devops-for-iot-performance-testing
- Davide 'CoderDave' Benvegnù, "DevOps and IoT: Better TOGETHER!" Dev.to, January 12, 2021 https://dev.to/n3wt0n/devops-and-iot-better-together-pd8
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