



CHRONICLE OF DIGITAL TRANSFORMATION THROUGH INTERNET OF THINGS TECHNOLOGIES

Some biweekly perspectives from around the globe gathered by CDAIT

(1600 entries since April 1, 2022)
https://cdait.gatech.edu/sites/default/files/2023-08/Digital_Transformation_Through_IoT_Technologies_August_31_2023.pdf

GOVERNANCE & THE INTERNET OF THINGS

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<https://www.federalregister.gov/documents/2023/08/24/2023-18251/a-preliminary-update-from-the-internet-of-things-federal-working-group>

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<https://www.ft.com/content/ebd533a7-b8d1-4d51-bd2e-8288c60490d1>

Didi Kirsten Tatlow, "China-US Tech War Spirals Over Smart Devices," Newsweek, August 18, 2023
<https://www.newsweek.com/china-us-tech-war-spirals-over-internet-modules-that-run-world-1820637>

Rebecca Ackermann, "The future of open source is still very much in flux," MIT Technology Review, August 17, 2023
<https://www.technologyreview.com/2023/08/17/1077498/future-open-source/>

Saurabh M Deshmukh and Srishti Vashpayee, "India's digital transformation: A deep dive into Data Protection Act," Economic Times (India), August 17, 2023
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Biweekly IoT News Digest (08/23 – 2)

IoT News and Market Reports

(Second Half of August 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 – 16entries: https://cdait.gatech.edu/sites/default/files/2023-08/IoT_News_Filings_August_2023_Second_Half.pdf
- Sample list of IoT-related market reports gathered by CDAIT – 80 entries: https://cdait.gatech.edu/sites/default/files/2023-08/IoT_Market_Reports_August_2023_Second_Half.pdf

Georgia Tech IoT-related Info/Research Noticed by CDAIT

- Hu, K., Zhou, Y., Sitaraman, S.K. and Manos M. Tentzeris "Additively manufactured flexible on-package phased array antennas for 5G/mmWave wearable and conformal digital twin and massive MIMO applications," Sci Rep 13, 12515 (2023). <https://doi.org/10.1038/s41598-023-39476-w>
- Dhruv Kuchahl, "Building trust in the online ecosystem through empirical evaluations of web security and privacy concerns," PhD dissertation, August 2023, School of Cybersecurity and Privacy, College of Computing, Georgia Tech <https://dhruvkuchhal.com/phd-thesis.pdf>

Repositories of Key Internet of Things Information

- IoT 2023 Overview:** Darren Pesen, "Internet Of Things (IoT) – Everything You Need To Know In 2023," Tech Business News, August 25, 2023 <https://www.techbusinessnews.com.au/blog/iot-internet-of-things-everything-you-need-to-know-in-2023/>
- IoT Alliances:** Silicon Labs website section on IoT alliances: <https://www.silabs.com/partner-network/alliances/>; Devopedia. 2020. "IoT Alliances and Consortiums." Version 18, August 24. <https://devopedia.org/iot-alliances-and-consortiums/>; and Alliance for IoT and Edge Computing Innovation (AIoTI), "IoT LSP [Large Scale Pilot] Standard Framework Concepts," (Appendix 1) February 2023 <https://aioti.eu/wp-content/uploads/2023/01/AIOTI-SDOs-Alliance-Landscape-IoT-LSP-standards-framework-R3-Final.pdf>
- IoT-related Conferences:** [575+ as of August 2023] <https://www.clocate.com/conferences-on+iot/dHg=/>
- IoT Databases:** Aditya Bhardwaj, "MongoDB: The Popular Database for the Internet of Things," Open Source for U, August 15, 2023 <https://www.opensourceforu.com/2023/08/mongodb-the-popular-database-for-the-internet-of-things/>
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- IoT Communication Protocols and Standards** – Ignacio de Mendizábal, "IoT Communication Protocols—IoT Data Protocols," All about Circuits, June 16, 2022 <https://www.allaboutcircuits.com/technical-articles/internet-of-things-communication-protocols-protocols-iot-data-protocols/>; Ignacio de Mendizábal, "IoT Communication Protocols—Network Protocols," All about Circuits, June 10, 2022 <https://www.allaboutcircuits.com/technical-articles/internet-of-communication-communication-protocols-network-protocols/>; Informational IoT Analytics, "5 things to know about IoT protocols," September 14, 2022 <https://iot-analytics.com/iot-protocols/>; Steven Libson, "Your complete guide to IoT protocols and standards in 2022 for support secure data exchange," Kellton website, March 15, 2022 <https://www.kellton.com/kellton-tech-blog/your-complete-guide-to-iot-protocols-and-standards-2022>; Calsoftinc, "IoT Networking Technologies: The Key to a Smarter World," Nasscom, August 10, 2023 <https://community.nasscom.in/communities/iot/iot-networking-technologies-key-smarter-world>; Industry IoT Consortium (IIC) press release, "Industry IoT Consortium Publishes the Vertical Standards Landscape Reference Paper," IIC, August 15, 2023 <https://www.iiconsortium.org/press-room/08-15-23/>
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- IoT Sensors:** Ed Edwards, "Different Types of Internet of Things (IoT) Sensors," Thomas, n.d. <https://www.thomasnet.com/articles/instruments-controls/types-of-internet-of-things-iot-sensors/>
- IoT Smart Homes** – Cathy Abbas, "What Are the Different Operating Standards for Home Automation Tech?" Safewise, November 1, 2022 <https://www.safewise.com/faq/home-automation/home-automation-operating-standards/>; The Landscape of Smart Home Technologies in 2022 (With Thread Group's Sujata Neidi), IoT for All, September 1, 2022 <https://www.iotforall.com/podcasts/e216-landscape-of-smart-home-technologies-in-2022>; Simon Hill, "Here's What the 'Matter' Smart Home Standard Is All About," Wired, October 4, 2022 <https://www.wired.com/story/what-is-matter/>
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