



CHRONICLE OF DIGITAL TRANSFORMATION THROUGH INTERNET OF THINGS TECHNOLOGIES

Some biweekly perspectives from around the globe gathered by CDAIT

(1200 entries since April 1, 2022)
https://cdait.gatech.edu/sites/default/files/2023-04/Digital_Transformation_Through_IoT_Technologies_April_30_2023.pdf

GOVERNANCE & THE INTERNET OF THING

IoTHub staff writer, "Top down approach to digital infrastructure taking shape in Australia," IoT Hub, April 28, 2023

<https://www.iothub.com.au/news/top-down-approach-to-digital-infrastructure-taking-shape-in-australia-593796>

Jessica Davis, "[U.S.] National cybersecurity labeling program expected in May for IoT devices," SC Magazine, April 25, 2023

<https://www.scmagazine.com/news/device-security/national-cybersecurity-labeling-program-expected-may-iot-devices>

Techfunnel Author, "Earth Day: Using IoT to Further Your Environmental, Social, and Governance Goals," Techfunnel, April 24, 2023

<https://www.techfunnel.com/information-technology/iot-for-esg/>

CIO News Desk, "US drawing up plans for use of 6G networks," CIO News, April 24, 2023
<https://cionews.co.in/us-drawing-up-plans-for-use-of-6g-networks/>

OrissaPOST posting, "In a 1st, IoT device to check tax evasion in Joda [State of Odisha, India] mines," OrissaPOST, April 20, 2023
<https://www.orissapost.com/in-a-1st-iot-device-to-check-tax-evasion-in-joda-mines/>

Henk H.F. Smid, "Internet of Things: the China perspective," The Space Review, April 17, 2023
<https://www.thespacereview.com/article/4566/1>

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Biweekly IoT News Digest (04/23 – 2)

Georgia Tech IoT-related Info/Research Noticed by CDAIT

IoT News and Market Reports

(Second Half of April 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: https://cdait.gatech.edu/sites/default/files/2023-04/IoT_News_Filings_April_2023_Second_Half.pdf
- Sample list of IoT-related market reports gathered by CDAIT – 80 entries: https://cdait.gatech.edu/sites/default/files/2023-04/IoT_Market_Reports_April_2023_Second_Half.pdf

- CDAIT Researchers active at American Society on Aging (ASA) Conference, GT CACP Website, April 13, 2023
<https://cacp.gatech.edu/news/item/667334/cdait-researchers-active-american-society-aging-conference>
- Liu, Yifan, Azell Francis, Catharina Hollauer, M. Cade Lawson, Omar Shaikh, Ashley Cotsman, Khushi Bhardwaj et al. "Reliability of electric vehicle charging infrastructure: A cross-lingual deep learning approach," Communications in Transportation Research 3 (available online, April 18, 2023): 100095
<https://www.sciencedirect.com/science/article/pii/S2772424723000069>

OF NOTE: --Arnold Vogt, "Game over for industrial IoT platforms; generative AI and industrial metaverse on the rise – insights from Hannover Messe 2023 [April 17-21, 2023, Hannover, Germany]," Sitsi, April 25, 2023 <https://www.sitsi.com/game-over-industrial-iot-platforms-generative-ai-and-industrial-metaverse-rise-insights-hannover>; Scarlett Evans, "Zero Trust and AI: The Future of IoT Cybersecurity, Hannover 2023," IoT World Today, April 19, 2023 <https://www.iotworldtoday.com/security/zero-trust-and-ai-the-future-of-iot-cybersecurity-hannover-2023>; Alice Chambers, "Hannover Messe 2023: using IoT to optimise operations," Technology Record, April 19, 2023 <https://www.technologyrecord.com/article/hannover-messe-2023-using-iot-to-optimise-operations>

Special Reading Suggestions

- Matt Hatton, "The big shake-up in the cellular IoT platform market (Reader Forum)," RC Wireless, April 27, 2023
<https://www.rcwireless.com/20230427/internet-of-things-4/the-big-shake-up-in-the-cellular-iot-platform-market-reader-forum>
- Zac Amos, "How to Conduct IoT Penetration Testing," IoT for All, April 25, 2023 <https://www.iotforall.com/how-to-conduct-iot-penetration-testing>
- Emily Newton, "IoT Mechatronics Give a Huge Boost to These 5 Industries," IoT for all, April 24, 2023 <https://www.iotforall.com/iot-mechatronics-gives-a-huge-boost-to-these-5-industries>
- Tammy Waitt, "The Current State of Wireless (In)security, by Bastille CTO," American Security Today, April 23, 2023
<https://americansecuritytoday.com/the-current-state-of-wireless-insecurity-by-bastille-cto/>
- Satyajit Sinha, "10 notable telco IoT trends—based on insights gathered in Q1 2023," IoT Analytics, April 19, 2023 <https://iot-analytics.com/top-10-telco-iot-trends/>
- Markus Law, "Cybersecurity no longer 'one size fits all' in an IoT world," Technology Magazine, April 17, 2023
<https://technologymagazine.com/articles/cybersecurity-no-longer-one-size-fits-all-in-an-iot-world>
- Nitisha Dubey, "4 Ways to Enhance IoT Battery Performance Using Emulation Software," BIS Infotech, April 17, 2023 <https://www.bisinfotech.com/4-ways-to-enhance-iot-battery-performance-using-emulation-software/>

Selected IoT Perspectives

The Internet of Things and the Smart Home

"The market for IoT smart homes is expected to experience significant growth, reaching a value of USD 417 billion by 2030 with a compound annual growth rate (CAGR) of 31.91% during the forecast period (2022-2030). This growth is being fueled by several factors, including the increasing adoption of smart home devices, rising demand for home automation, advancements in connectivity technology, and growing awareness of energy efficiency," SkyQuest Technology Consulting Pvt. Ltd press release, "IoT Smart Home Market: Transforming the Modern Home and Revolutionizing Living," Globe Newswire, April 4, 2023 <https://www.globenewswire.com/news-release/2023/04/04/2640688/0/en/IoT-Smart-Home-Market-Transforming-the-Modern-Home-and-Revolutionizing-Living.html>

- AWE press release, "AWE {Appliance & Electronics World Expo} 2023 [Shanghai, China, April 27-30, 2023] opens with prospect into smart home," <https://www.prnewswire.com/news-releases/awe2023-opens-with-prospect-into-smart-home-301809658.html>
- Silviu Stahi, "A smart device in your home is extremely unsafe, Bitdefender IoT report finds," iTWire, April 26, 2023
<https://itwire.com/guest-articles/guest-opinion/a-smart-device-in-your-home-is-extremely-unsafe-bitdefender-iot-report-finds.html>
- Stacey Higginbotham, "Podcast: Why is the smart home still so terrible?" Stacey on IoT, April 13, 2023 <https://staceyoniot.com/podcast-why-is-the-smart-home-still-so-terrible/>
- Jay Basen, "Hands on with the Matter Smart Home Protocol," Restechtoday, April 13, 2023 <https://restechtoday.com/hands-on-with-the-matter-smart-home-protocol/>

Research background info (sample): Orfanos, Vasilios A., Stavros D. Kaminaris, Panagiotis Papageorgas, Dimitrios Piromalis, and Dionisis Kandris, "A Comprehensive Review of IoT Networking Technologies for Smart Home Automation Applications," Journal of Sensor and Actuator Networks 12, no. 2 (published April 3, 2023): 30 <https://www.mdpi.com/2224-2708/12/2/30>; Alsamarah, Osaid, Khaled A. Alshare, and Peggy L. Lane, "Determinants of individual's intention to use the internet of things for smart home technology: a cultural moderating effect," International Journal of Mobile Communications 21, no. 3 (online February 1, 2023): 316-340
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