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CHRONICLE OF DIGITAL TRANSFORMATION THROUGH INTERNET OF THINGS TECHNOLOGIES

Some biweekly perspectives from
around the globe gathered by
CDAIT

(1900 entries since April 1, 2022)
https://cdait.gatech.edu/sites/default/files/2023-11/Digital_Transformation_Through_IoT_Technologies_November_30_2023.pdf

GOVERNANCE & THE INTERNET OF THINGS

The Financial Times, "EU plan for connectivity patents could backfire | FT Tech," The Financial Times [video 3'11], November 27, 2023 <https://www.ft.com/video/99b29d16-7ca9-4ad9-a7ba-ebed59ffecce>

Asheef Iqubbal, "6G: Navigating Between Technology Standards, National Security, and the Economy," Wire, November 25, 2023 <https://thewire.in/tech/6g-navigating-between-technology-standards-national-security-and-the-economy>

Modern Diplomacy Newsroom, "Why All Businesses Should Be Prepared for IoT Technology," Modern Diplomacy, November 22, 2023 <https://modern diplomacy.eu/2023/11/22/why-all-businesses-should-be-prepared-for-iot-technology/>

Stacey Higgenbotham, "How bad business broke the smart home - Business arrangements and opaque contracts have broken the pitch of the smart home. Better regulation can fix this problem," The Verge, November 21, 2023 <https://www.theverge.com/23970749/smart-home-broken-policy-fixes>

Ouyang Shijia, "Spotlight shines on IoT's role in growth and development," China Daily, November 21, 2023 <http://global.chinadaily.com.cn/a/202311/21/WS655c02a431090682a5ef33c.html>

Innovation News Network posting, "The development of the smart city: Waste management and air quality monitoring," Innovation News Network, November 20, 2023 <https://www.innovationnewsnetwork.com/the-development-of-the-smart-city-waste-management-and-air-quality-monitoring/39990/>

Scott Foster, "The next big tech war front: RISC [Reduced Instruction Set Computer]-V," Asia Times, November 20, 2023 <https://asiatimes.com/2023/11/the-next-big-tech-war-front-risc-v/>

GT CDAIT Biweekly IoT News Digest (11/23 – 2)

Georgia Tech IoT-related Info/Research Noticed by CDAIT

IoT News and Market Reports

(Second Half of November 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/2023-11/IoT_News_Filings_November_2023_Second_Half.pdf
- Sample list of IoT-related market reports gathered by CDAIT – 70 entries: https://cdait.gatech.edu/sites/default/files/2023-11/IoT_Market_Reports_November_2023_Second_Half.pdf

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- Wang, Zhong Lin, Ya Yang, Junyi Zhai, and Jie Wang, eds. "Handbook of triboelectric nanogenerators," Springer Nature, 2023 <https://link.springer.com/referencework/10.1007/978-3-031-05722-9>
- Sharma, Vishal, and Azra Ismail. "Lessons from Ph. D. Fieldwork: A Conversation with Dr. Azra Ismail," XRDS: Crossroads, The ACM Magazine for Students 30, no. 1 (2023): 70-73 <https://dl.acm.org/doi/pdf/10.1145/3611688>
- Matthew R O'Shaughnessy, Daniel S Schiff, Lav R Varshney, Christopher J Rozell, Mark A Davenport, "What governs attitudes toward artificial intelligence adoption and governance?," Science and Public Policy, Volume 50, Issue 2, April 2023, Pages 161–176, <https://doi.org/10.1093/scipol/scac056>

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Special Reading Suggestions

- John Edwards, "How Smart Factories Will Revolutionize Manufacturing," Information Week, November 28, 2023 <https://www.informationweek.com/it-leadership/how-smart-factories-will-revolutionize-manufacturing#close-modal>
- Narayan Mishra, "A Look At How Artificial Intelligence & IoT Have Transformed Public Transportation In India," Zeenews, November 22, 2023 <https://zeenews.india.com/auto/a-look-at-how-artificial-intelligence-iot-have-transformed-public-transportation-in-india-2691065.html>
- Sebastian Szykier, "Track Down Internet of Things Devices to Enhance Network Visibility," FedTech, November 20, 2023 <https://fedtechmagazine.com/article/2023/11/track-down-internet-things-devices-enhance-network-visibility>
- Gary Elinoff, "The Industrial Internet of Things (IIoT), Because Machines Get Lonely, Too," Electropages, November 17, 2023 <https://www.electropages.com/blog/2023/11/industrial-internet-things-iiot-because-machines-get-lonely-too>
- Innovation News Network posting, "Creating eco-friendly smart cities with green IoT technology," Innovation News Network, November 17, 2023 <https://www.innovationnewsnetwork.com/creating-eco-friendly-smart-cities-with-green-iot-technology/39991/>
- Tom Raynel, "Dramatic growth projected for digital twin market, says IoT Analytics," IT Brief [New Zealand], November 17, 2023 <https://itbrief.co.nz/story/dramatic-growth-projected-for-digital-twin-market-says-iot-analytics>
- Bernard Marr, "2024 IoT And Smart Device Trends: What You Need to Know For The Future," Bernard Marr website, November 10, 2023 <https://bernardmarr.com/2024-iot-and-smart-device-trends-what-you-need-to-know-for-the-future/>

Selected IoT Perspectives IoT and Logistics

"In the accelerating digital age, the melding of the Internet of Things (IoT) and the logistics sector is more than just promising—it's transformative. McKinsey's projection that IoT's global economic impact might reach \$11.1 trillion by 2025 underscores the potential that lies at this intersection. For startups nestled in the nexus of logistics and technology, this spells an era of monumental opportunity." Nimish Gupta, "Leveraging IoT in logistics: The startup blueprint for tomorrow's supply chain." Fast Company, October 6, 2023 <https://www.fastcompany.com/90961810/leveraging-iot-in-logistics-the-startup-blueprint-for-tomorrows-supply-chain>

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- Future Market Insights press release, "IoT in Supply Chain Market is likely to witness a worth of US\$ 41.8 Billion, rising at a CAGR of 12.9% from 2023 to 2033," Global Trade Magazine, June 23, 2023 <https://www.globaltrademag.com/iot-in-supply-chain-market-is-likely-to-witness-a-worth-of-us-41.8-billion-rising-at-a-cagr-of-12-9-from-2023-to-2033/>
- Sudeep Srivastava, "IoT in Supply Chain and Logistics – Benefits, Use Cases & Challenges," Appinventiv, June 8, 2023 <https://appinventiv.com/blog/iot-in-logistics-and-supply-chain-management/>
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Research background info (sample): Y. Ahmad Antouz, I. A. Akour, M. Turki Alshurideh, H. M. Alzoubi and E. K. Alquqa, "The impact of Internet of Things (IoT) and Logistics Activities on Digital Operations," 2023 International Conference on Business Analytics for Technology and Security (ICBATS), Dubai, United Arab Emirates, 2023, pp. 1-5, doi: 10.1109/ICBATS57792.2023.10111287 <https://ieeexplore.ieee.org/document/10111287>; Syed Mithun Ali, Md Ali Ashraf, Hasin Md. Muhtasim Taqi, Sayem Ahmed, S M Abdur Rob, Golam Kabir, Sanjoy Kumar Paul, "Drivers for Internet of Things (IoT) adoption in supply chains: Implications for sustainability in the post-pandemic era, Computers & Industrial Engineering," Volume 183, 2023, 109515, ISSN 0360-8352, <https://doi.org/10.1016/j.cie.2023.109515>

<https://cdait.gatech.edu>



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