GT CDAIT
Biweekly IoT News Digest (01/23 – 1)

CHRONICLE OF DIGITAL TRANSFORMATION THROUGH INTERNET OF THINGS TECHNOLOGIES

Some biweekly perspectives from around the globe gathered by CDAIT
(850 entries)
https://cdait.gatech.edu/sites/default/files/2023-01/Digital_Transformation_Through_IoT_Technologies_January_15_2023.pdf

GOVERNANCE & THE INTERNET OF THINGS

Jayasri Priyala, "**The 'Job' Culture Is Changing in The Post-Pandemics Era,**" IDN-InDepth News, January 14, 2023
https://www.indepthnews.net/index.php/opinion/5872-the-job-culture-is-changing-in-the-post-pandemics-era

Kamlesh Patel, "**What's the deal with Industry 4.0?,**" Data Center Dynamics, January 14, 2023
https://www.datacenterdynamics.com/en/opinions/whats-the-deal-with-industry-40/

Börje Ekholm, **"5 ways digitalization can help build global resilience in 2023,"** World Economic Forum, January 13, 2023
https://www.weforum.org/agenda/2023/01/5-ways-digitalization-can-help-build-global-resilience-davos2023/

Diane Groth, "**Explore the relationship between IoT governance and privacy,**" Tech Target [IoT Agenda], January 10, 2023
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Elizabeth MacBride, "**The dark web's criminal minds see Internet of Things as next big hacking prize,**" CNBC, January 9, 2023
https://www.cnbc.com/2023/01/09/the-dark-webs-criminal-minds-see-iot-as-the-next-big-hacking-prize.html

Ingrid Vasiliu Feltes , "**Leadership In The Metaverse Era,**" Forbes, January 9, 2023
https://www.forbes.com/sites/forbesbusinesscouncil/2023/01/09/leadership-in-the-metaverse-era/?sh=70643df73dea

Blaker Moret, "**Even China, India face labour shortages. Can automation rescue the world?**" The Print, January 8, 2023
https://theprint.in/features/even-china-india-face-labour-shortages-can-automation-rescue-the-world/1304199/

Mark Appleby, "**Tackling public sector energy security and management through the IoT,**" Open Government, January 5, 2023
https://www.openaccessgovernment.org/tackling-public-sector-energy-management-through-the-internet-of-things/150624/

IoT News and Market Reports

(Second Half of December 2022)

- 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/2023-01/IoT_News_Filings_January_2023__First_Half.pdf

- Sample list of **IoT-related market reports** gathered by CDAIT– 71 entries – See:
https://cdait.gatech.edu/sites/default/files/2023-01/IoT_Market_Reports_January_2023_First_Half.pdf

Georgia Tech IoT-related Info/Research Noticed by CDAIT

- Portilla, L., Loganathan, K., Faber, H., Aline Eid, Jimmy G. D. Hester, Manos M. Tentzeris, et al. "**Wirelessly powered large-area electronics for the Internet of Things**," Nature Electronics (December 28, 2022). https://doi.org/10.1038/s41928-022-00898-5

- Various IoT-related projects by the **Bio-Interfaced Translational Nanoengineering Group** at the GT Institute for Electronics and Nanotechnology **Center for Human-Centric Interfaces and Engineering** under the direction of Dr. W. Hong Yeo https://sites.google.com/view/yeogroup

- Kim, Kinam, Inbae Jeong, and Yong K. Cho. "**Signal Processing and Alert Logic Evaluation for IoT–Based Work Zone Proximity Safety System,**" Journal of Construction Engineering and Management 149, no. 2 (2023): 05022018 https://ascelibrary.org/doi/abs/10.1061/JCEMD4.COENG-12417

OF NOTE: Justin Mikoilai, "**4 IoT Themes and 9 Standout Companies from CES 2023**," IoT for All, January 11, 2023 https://www.iotforall.com/4-iot-themes-and-9-standout-companies-from-ces-2023; Matt Haldane, "**CES 2023: IoT security concerns? No matter. Chinese smart home firms among big adopters of new standard,**" South China Post, Januay 9, 2023 https://www.scmp.com/tech/big-tech/article/3206011/ces-2023-iot-security-concerns-no-matter-chinese-smart-home-firms-among-big-adopters-new-standard; Karisa Langlo, "**How CES 2023 Killed My Fear of the Techpocalypse,**" CNET, January 8, 2023 https://www.cnet.com/culture/how-ces-2023-killed-my-fear-of-the-techpocalypse/; David B. McGarry, "**CES 2023: Cybersecurity for IoT Devices Should be Market-Driven,**" Broadband Breakfast, January 6, 2023 https://broadbandbreakfast.com/2023/01/ces-2023-cybersecurity-for-iot-devices-should-be-market-driven/; Dan O'Shea, "**IoT grabs early attention before CES 2023 gates open,**" Fierce Electronics, January 3, 2023 https://www.fierceelectronics.com/iot-wireless/iot-grabs-early-attention-ces-2023-gates-open

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Special Reading Suggestions

- Pranesh Chaudhary, "**The future is IoT: A guide to the transformation to smart cities,**" Times of India, January 13, 2023 https://timesofindia.indiatimes.com/blogs/voices/the-future-is-iot-a-guide-to-the-transformation-to-smart-cities/
- Anand Taparia, "**IoT 2022 in review: The 10 Most Relevant IoT Developments of the Year,**" IoT Analytics, Januay 9, 2023 https://iot-analytics.com/iot-2022-in-review/
- Agibail Saltmarch, "**The "AIoT" and its Role in the Future of Healthcare,**"E-Magazine by Medical Expo, January 6, 2023 https://emag.medicalexpo.com/the-aiot-and-its-role-in-the-future-of-healthcare/
- Steve Anderson, "**Internet of Things (IoT) Leveraging Blockchain Could do Wonders,**" The Coin Republic, January 3, 2023 https://www.thecoinrepublic.com/2023/01/03/internet-of-things-iot-leveraging-blockchain-could-do-wonders/

Selected IoT Perspectives
Internet of Things (IoT) Analytics

"Internet of Things (IoT) analytics is the use of data science techniques to derive actionable insights from the vast volumes of information collected by IoT devices. Common applications of IoT analytics include predictive maintenance, supply chain management, and prescriptive analytics."
*Adam Simons, "**Internet of Things (IoT) Analytics: Understanding Data**," Dgtl Infra, November 9, 2022 https://dgtlinfra.com/internet-of-things-iot-analytics/*

- Persistence Market Research press release, "**Internet of Things (IoT) Analytics Market Predicted to Rise at a CAGR of 16.2% by the end of 2025,**" OpenPR, December 27, 2022 https://www.openpr.com/news/2863442/internet-of-things-iot-analytics-market-predicted-to-rise-at
- Karem Gülen, "**Unlocking the full potential of connected devices with IoT analytics,**" Dataconomy, December 23, 2022 https://dataconomy.com/2022/12/iot-analytics-architecture-use-cases-jobs/
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- Kihara Kimachia, "**Top IoT Analytics Providers,**" Enterprise Networking Planet, October 21, 2022 https://www.enterprisenetworkingplanet.com/management/iot-analytics-providers/

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