



Digest is compiled by Alain Louchez,
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CHRONICLE OF DIGITAL TRANSFORMATION THROUGH INTERNET OF THINGS TECHNOLOGIES

Some biweekly perspectives from
around the globe gathered by
CDAIT

(2000 entries since April 1, 2022)
https://cdait.gatech.edu/sites/default/files/2023-12/Digital_Transformation_Through_IoT_Technologies_December_31_2023.pdf

GOVERNANCE & THE INTERNET OF THINGS

Jordan News posting, "[Jordan's Telecommunications Regulatory Commission] TRC approves amended Internet of Things (IoT) regulations," Jordan News, December 19, 2023
<https://www.jordannews.jo/Section-109/News/TRC-approves-amended-Internet-of-Things-IoT-regulations-33104>

Ben Castleton, "IT Officials Can Gain Tremendous Data Management Value from Small Steps," State Tec Magazine, December 18, 2023
<https://statetechmagazine.com/article/2023/12/it-officials-can-gain-tremendous-data-management-value-small-steps>

David Howell, "IoT security strategy: an arms race for businesses," IT Pro, December 15, 2023
<https://www.itpro.com/cloud/cloud-security/iot-security-strategy-an-arms-race-for-businesses>

Peter Spotts, "Why non-invasive data governance is the best approach to use," TechTarget, December 12, 2023
<https://www.techtarget.com/searchdatamanagement/feature/Why-non-invasive-data-governance-is-the-best-approach-to-use>

Big Blue Data Academy posting, "What is Data Governance and Why Is it Important?" ["In today's era of digital transformation, where data volume is constantly increasing from new sources like Internet of Things (IoT) technologies, businesses need to reevaluate and readjust their data governance methods."] Big Blue Data Academy, December 12, 2023
<https://bigblue.academy/en/data-governance>

GT CDAIT Biweekly IoT News Digest (12/23 – 2)

IoT News and Market Reports

(Second Half of December 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 – 16 entries:
https://cdait.gatech.edu/sites/default/files/2023-12/IoT_News_Filings_December_2023_Second_Half.pdf
- Sample list of IoT-related market reports gathered by CDAIT – 72 entries: https://cdait.gatech.edu/sites/default/files/2023-12/IoT_Market_Reports_December_2023_Second_Half.pdf

OF NOTE: Kate Kaye and Pam Dixon, "AI governance is now an even bigger problem, as most governance tools are 'limping along'", Web Privacy Forum, December 2023 <https://www.worldprivacyforum.org/2023/12/new-report-risky-analysis-assessing-and-improving-ai-governance-tools/> -- (96 page) report pdf: https://www.worldprivacyforum.org/wp-content/uploads/2023/12/WPF_Risky_Analysis_December_2023_fs.pdf

Special Reading Suggestions

- Purav Thakkar, "What are the benefits of IoT in small business," Global Trade Magazine, December 27, 2023
<https://www.globaltrademag.com/what-are-the-benefits-of-iot-in-small-business/>
- Aditya Bhardwaj, "Smart Healthcare: How IoT is Reshaping the Industry," Open Source For U, December 21, 2023
<https://www.opensourceforu.com/2023/12/smart-healthcare-how-iot-is-reshaping-the-industry/>
- Iain Morris, "2023 in review: Open RAN not working out as planned," Light Reading, December 18, 2023 <https://www.lightreading.com/open-ran/2023-in-review-open-ran-not-working-out-as-planned#close-modal>
- Elizabeth Engler Modic, "Enhancing factories using IoT," Today's Medical News, December 19, 2023
<https://www.todaysmedicaldevelopments.com/news/enhancing-factories-using-internet-of-things-machine-learning-artificial-intelligence/>
- Charles Mahler, "6 AI Trends That Will Impact the IoT Industry in 2024," IIoT World, December 18, 2023 <https://www.iiot-world.com/artificial-intelligence-ml/artificial-intelligence/6-ai-trends-that-will-impact-the-iiot-industry-in-2024/>
- Mahmudul Hasan, "Telcos bring more IoT solutions for daily concerns," The Daily Star [Bangladesh], December 18, 2023
<https://www.thedailystar.net/business/news/telcos-bring-more-iiot-solutions-daily-concerns-3496806>
- Anthony Emecheta, "Harnessing AI and IoT for Enhanced Workplace Safety," Medriva, December 17, 2023
<https://medriva.com/health/occupational-health/harnessing-ai-and-iiot-for-enhanced-workplace-safety/>
- Dr. Kausik Ghosh, "What is the Future of the Internet of Things (IoT)?" UPES blog (private university located in Dehradun, Uttarakhand, India), December 11, 2023 <https://blog.upes.ac.in/what-is-the-future-of-the-internet-of-things-iiot/>

Selected IoT Perspectives

Satellite IoT

"In a remarkable surge, the Global Satellite Internet of Things (IoT) Market has witnessed substantial growth, with a valuation of USD 1.01 billion in 2022 projected to escalate to USD 3.96 billion by 2029, boasting a compound annual growth rate (CAGR) of 21.5%. This astronomical rise is attributed to the expanding application of Satellite IoT in diverse sectors such as agriculture, environmental monitoring, transportation, maritime, and asset tracking." Maximizze Marke Research press release, "APAC is expected to dominate the Satellite IoT Market during the forecast period." Whatech, December 5, 2023 <https://www.whatech.com/og/markets-research/iiot/763624-satellite-iiot-market-scrutinized-in-the-new-analysis>

- Will Owen, "Mining industry seeing the sustainability benefits of satellite-enabled IoT," Global Mining Review, December 11, 2023
<https://www.globalminingreview.com/mining/11122023/mining-industry-seeing-the-sustainability-benefits-of-satellite-enabled-iiot/>
- IoT Business News, "Globalstar Introduces GSatSolar to its Industrial IoT Asset Tracking Portfolio," IoT Business News, December 6, 2023 <https://iiotbusinessnews.com/2023/12/06/98761-globalstar-introduces-gsat-solar-to-its-industrial-iiot-asset-tracking-portfolio/>
- Rachel Jewett, "Spire to Build and Operate IoT Constellation for Lacuna Space," Via Satellite, December 5, 2023
<https://www.satellitetoday.com/uncategorized/2023/12/05/spire-to-build-and-operate-iiot-constellation-for-lacuna-space/>
- Mike Bartsch, "What Is Satellite IoT? Closing Gaps in Global Connectivity," Emnify, September 26, 2023 <https://www.emnify.com/iiot-glossary/satellite-iiot>
- Rachel Jewett, "Iridium Forecasts \$1B Service Revenue in 2030, Hints at Narrowband IoT Ambitions," Via Satellite, September 21, 2023 <https://www.satellitetoday.com/finance/2023/09/21/iridium-forecasts-1b-service-revenue-in-2030-hints-at-narrowband-iiot-ambitions/>
- Ryan Daws, "Satellite IoT is crucial for safeguarding national grids," [about Viasat Survey] IoT Tech News, July 19, 2023
<https://www.iiottechnews.com/news/2023/jul/19/satellite-iiot-crucial-safeguarding-national-grids/>

Research background info (sample): Chen, Xiaoming, Zhaobin Xu, and Lin Shang. "Satellite Internet of Things: challenges, solutions, and development trends," Frontiers of Information Technology & Electronic Engineering (2023): 1-10 <https://link.springer.com/article/10.1631/FITEE.2200648>; Zuo, Yong, Mingyang Yue, Huiyuan Yang, Liantao Wu, and Xiaojun Yuan. "Integrating Communication, Sensing and Computing in Satellite Internet of Things: Challenges and Opportunities," arXiv preprint arXiv:2312.01336 (2023) <https://arxiv.org/abs/2312.01336>; Han, Rui, Meiqi Liu, Jiaying Wang, Lin Bai, and Jianwei Liu. "Anti-jamming Strategy for Satellite Internet of Things: Beam Switching and Optimization," IEEE Internet of Things Journal (2023) <https://ieeexplore.ieee.org/abstract/document/10146389>; Hui, Mingming, Shenghua Zhai, and Wei Wang. "Research on Random Access Technology of Satellite Internet of Things," In 2023 8th International Conference on Computer and Communication Systems (ICCCS), pp. 750-755. IEEE, 2023 <https://ieeexplore.ieee.org/abstract/document/10151360>

<https://cdait.gatech.edu>



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