



# GT CDAIT

## Biweekly IoT News Digest (05/22 – 2)

### CHRONICLE OF DIGITAL TRANSFORMATION THROUGH INTERNET OF THINGS TECHNOLOGIES

Some biweekly perspectives from around the globe gathered by CDAIT (150 entries)

[https://cdait.gatech.edu/sites/default/files/2022-05/Digital\\_Transformation\\_Through\\_IoT\\_Technologies\\_May\\_31\\_2022.pdf](https://cdait.gatech.edu/sites/default/files/2022-05/Digital_Transformation_Through_IoT_Technologies_May_31_2022.pdf)

### INTERNET OF THINGS

Prof. Partho S. Sengupta, "The Digital World Is The Worst Ever Opium Of The Masses," Hillpost (India), May 29, 2022 <https://hillpost.in/2022/05/digital-world-the-worst-opium-of-the-masses/117594/>

Aastha Atray Banan, "Mumbai needs IoT," Mid-day, May 29, 2022 <https://www.mid-day.com/sunday-mid-day/article/mumbai-needs-iot-23229283>

Nick Ismail, "IoT governance: how to deal with the compliance and security challenges," Information Age, May 26, 2022 <https://www.information-age.com/iot-governance-compliance-security-challenges-123490573/>

"Mendix (a Siemens business) press release, "Governments Face Urgent Demand for Digital Solutions and E-services; Low-Code Proves Value as Go-To Platform," PR Newswire, May 25, 2022

<https://www.prnewswire.com/news-releases/governments-face-urgent-demand-for-digital-solutions-and-e-services-low-code-proves-value-as-go-to-platform-301554384.html>

Kate Scarcella, "Lives, property, economies, and the IoT risk" TechBeacon, May 19, 2022 <https://techbeacon.com/security/lives-property-economies-iot-risk>

William Davies, "Where the internet went wrong – and how we can reboot it," The New Statesman [U.K.], May 17, 2022 <https://www.newstatesman.com/culture/books/book-of-the-day/2022/05/internet-justin-smith-bentarnoff-review>

## Georgia Tech IoT-related IoT News and Market Reports Info/Research Noticed by CDAIT

(Second Half of May 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 – 16 entries - See: [https://cdait.gatech.edu/sites/default/files/2022-05/IoT\\_News\\_Filings\\_May\\_2022\\_Second\\_Half.pdf](https://cdait.gatech.edu/sites/default/files/2022-05/IoT_News_Filings_May_2022_Second_Half.pdf)
- Sample list of IoT-related market reports gathered by CDAIT– 92 entries – See: [https://cdait.gatech.edu/sites/default/files/2022-05/IoT\\_Market\\_Reports\\_May\\_2022\\_Second\\_Half.pdf](https://cdait.gatech.edu/sites/default/files/2022-05/IoT_Market_Reports_May_2022_Second_Half.pdf)
- Yu-Cheng Chen, "Cyber threat propagation modeling in cyber physical systems," Ph.D. Dissertation, May 2022 <https://smartech.gatech.edu/bitstream/handle/1853/66586/CHEN-DISSERTATION-2022.pdf?sequence=1&isAllowed=y>
- Ahuett-Garza, Horacio, Pedro Daniel Urbina Coronado, Julio Noriega Velasco, Enrique Díaz de León López, Bernd Markert, and Thomas R. Kurfess. "Train the trainers in industry 4.0: a model for the development of competencies in non-synchronous environments," International Journal on Interactive Design and Manufacturing (IJIDeM) (May 12, 2022): 1-15 <https://link.springer.com/article/10.1007/s12008-022-00901-5>

**OF NOTE:** Daren Fonda, "Web3 Was Supposed to Save the Internet. It Has a Long Way to Go," BARRON's, May 26, 2022 <https://www.barrons.com/articles/web3-crypto-coins-startups-5165531787>; World Economic Forum press release, "New Initiative to Build An Equitable, Interoperable and Safe Metaverse," World Economic Forum, May 25, 2022 <https://www.weforum.org/press/2022/05/new-initiative-to-build-an-equitable-interoperable-and-safe-metaverse/>

## Special Reading Suggestions

- Gadjo Sevilla, "Broadcom's \$61B VMware acquisition points to cloud computing and IoT expansion," eMarketer, May 27, 2022 <https://www.emarketer.com/content/broadcom-s-61b-vmware-acquisition-points-cloud-computing-iot-expansion>
- Andreas Eschbach, "Process Manufacturing Ready to Evolve Again - The "Industry 5.0" concept brings together cognitive computing and infrastructure," Machine Design, May 19, 2022 <https://www.machinedesign.com/automation-iiot/article/21242225/eschbach-process-manufacturing-ready-to-evolve-again>
- Allan Tan, "Redefining insurance with IoT," Future IoT, May 23, 2022 <https://futureiot.tech/podchats-for-futureiot-redefining-insurance-with-iiot/>
- Elizabeth Wallace, "Underwater IoT Revolutionizing Water Management," RT Insights, May 16, 2022 <https://www.rtinsights.com/underwater-iiot-revolutionizing-water-management/>
- Shriya Raban, "Building an expanded global IoT ecosystem," Vanilla Plus, May 16, 2022 <https://www.vanillaplus.com/2022/05/16/69701-building-an-expanded-global-iiot-ecosystem/>
- Scarlett Evans. "Project to Bring IoT Solutions to the World's Shipping Ports," IoT World Today, May 15, 2022 <https://www.iiotworldtoday.com/2022/05/15/project-to-bring-iiot-solutions-to-the-worlds-shipping-ports/>

## Selected IoT Perspectives

### The Internet of Things in Agriculture

"The Internet of Things (IoT) is like the "nervous system" of a farmer's operation, connecting all of the smart technology on the farm through a cloud-based information highway." (\*)

(\*) Melissa Neuendorf, "Autonomy, IoT enhance farming through the senses," Fierce Electronics, March 17, 2022 <https://www.fierceelectronics.com/iiot-wireless/autonomy-iiot-enhance-farming-through-senses>

- Dimitra Technology (Belize), "IoT in Agriculture: Connectivity is the Future of Farming," Medium, May 10, 2022 <https://dimitratech.medium.com/iiot-in-agriculture-connectivity-is-the-future-of-farming-6aab286e4700>
- Barbara Padgett, "IoT Creates More Reliable Irrigation System for Oregon Farm," Pumps and Systems, May 10, 2022 <https://www.pumpsandsystems.com/iiot-creates-more-reliable-irrigation-system-oregon-farm>
- Deloitte Southeast Asia Innovation Team, "The future of agrifood tech in Southeast Asia: Agriculture in the digital decade," KrAsia, April 20, 2022 <https://kr-asia.com/the-future-of-agrifood-tech-in-southeast-asia-agriculture-in-the-digital-decade>
- Noah Rue, "The Role of Bioengineering and IoT In Increasing Agricultural Production," IoT for All, March 4, 2022 <https://www.iiotforall.com/bioengineering-and-iiot-increasing-agricultural-production>
- AI for Good Webinar (2:31:39 video), "Towards digital agriculture: Expanding on the AI and IoT paradigm," AI for Good (ITU), February 14, 2022 <https://aiforgood.itu.int/event/towards-digital-agriculture-expanding-on-the-ai-and-iiot-paradigm/>

**Research background info (sample):** Ramachandran, Veerachamy, Ramar Ramalakshmi, Balasubramanian Prabhu Kavin, Irshad Hussain, Abdulrazak H. Almaliki, Abdulrhaman A. Almaliki, Ashraf Y. Elnaggar, and Enas E. Hussein. "Exploiting IoT and its enabled technologies for irrigation needs in agriculture." Water 14, no. 5 (published March 27,2022): 719 <https://www.mdpi.com/2076-3417/12/7/3396>; Quy, Vu Khanh, Nguyen Van Hau, Dang Van Anh, Nguyen Minh Quy, Nguyen Tien Ban, Stefania Lanza, Giovanni Randazzo, and Anselme Muzirafuti. "IoT-Enabled Smart Agriculture: Architecture, Applications, and Challenges." Applied Sciences 12, no. 7 (published online March 27, 2022): 3396 <https://www.mdpi.com/2076-3417/12/7/3396>; Qazi, Sameer, Bilal A. Khawaja, and Qazi U. Farooq. "IoT-Equipped and AI-Enabled Next Generation Smart Agriculture: A Critical Review, Current Challenges and Future Trends." IEEE Access (published online February 17, 2022) <https://ieeexplore.ieee.org/abstract/document/9716089>; Anas, Siti Aisyah Binti, Ranjit Singh Sarban Singh, and Nur Adilah Binti Kamarudin. "Designing an IoT Agriculture Monitoring System for Improving Farmer's Acceptance of Using IoT Technology." Engineering, Technology & Applied Science Research 12, no. 1 (2022): 8157-8163 <https://etast.com/index.php/ETASR/article/view/4667>