GT CDAIT
Biweekly IoT News Digest (09/22 – 2)

February 2021 Highlights

CHRONICLE OF DIGITAL TRANSFORMATION THROUGH INTERNET OF THINGS TECHNOLOGIES
Some biweekly perspectives from around the globe gathered by CDAIT
(500 entries)
https://cdait.gatech.edu/sites/default/files/2022-09/Digital_Transformation_Through_IoT_Technologies_September_30_2022.pdf

GOVERNANCE & THE INTERNET OF THINGS

Joe O'Halloran, "**IoT success fuelling further expansion,**" Computer Weekly, Septmeber 28, 2022 https://www.computerweekly.com/news/252525441/IoT-success-fuelling-further-expansion

Paula Ingabire, David Sengeh, Martin Wimmer, Nele Leosk, Robert Opp, and Rodger Voorhies, "**Inclusive digital infrastructure can help achieve the SDGs. Here's how,**" World Economic Forum, September 21, 2022 https://www.weforum.org/agenda/2022/09/how-inclusive-digital-infrastructure-help-achieve-sdgs/

Media release from PainCheck, "**New report: Digital transformation vital to meet future aged care needs,**" Nzdoctor (New Zealand), September 21, 2022 https://www.nzdoctor.co.nz/article/undoctored/new-report-digital-transformation-vital-meet-future-aged-care-needs

Apurva Venkat, "**A third of enterprises globally don't prioritize digital trust: ISACA,**" CSO online, September 19, 2022 https://www.csoonline.com/article/3674120/a-third-of-enterprises-globally-don-t-prioritize-digital-trust-isaca.html

Megan Brown, "**The Private Sector Should Watch NIST's Broad Work on Privacy and Cybersecurity Guidance,**" JDSupra, September 19, 2022 https://www.jdsupra.com/legalnews/the-private-sector-should-watch-nist-s-8336791/

Hunton Andrews Kurth, "**New California Legislation Adds to Existing Smart Device Labeling Requirements,**" The National Law Review, September 15, 2022 https://www.natlawreview.com/article/new-california-legislation-adds-to-existing-smart-device-labeling-requirements

Laura Kabelka, "**[E.U.] Commission presents Cyber Resilience Act targeting Internet of Things products,**" EURACTIV, September 15, 2022 https://www.euractiv.com/section/digital/news/commission-presents-cyber-resilience-act-targeting-internet-of-things-products/

IoT News and Market Reports
(Second Half of September 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/2022-09/IoT_News_Filings_September_2022__Second_Half.pdf

- Sample list of **IoT-related market reports** gathered by CDAIT– 92 entries – See: https://cdait.gatech.edu/sites/default/files/2022-09/IoT_Market_Reports_September_2022_Second_Half_0.pdf

Georgia Tech IoT-related Info/Research Noticed by CDAIT

- **GT Center for Advanced Communications Policy (CACP) & Center for the Development and Application of IoT Technologies (CDAIT) staff present at Georgia Digital Government Summit 2022**, CDAIT, September 19, 2022 https://cdait.gatech.edu/news/item/661299/cacp-cdait-staff-present-georgia-digital-government-summit

- Andrews Myers, "**New Wearable Device Measures Tumors Changing Size Below Skin,**" Georgia Tech Research, September 16, 2022 (about research from engineers at Georgia Tech and Stanford University) https://research.gatech.edu/new-wearable-device-measures-tumors-changing-size-below-skin

- CDAIT's internal IoT research-related activities see for example [announced on 9/22/22]: **2023 Student Innovation Capacity Building Challenge** for undergraduate and graduate Georgia Tech students (application deadline: December 1, 2022 for proposed projects to be completed by May 1, 2023) sponsored by CDAIT, GT School of Public Policy and GT Venture Lab: More info at https://cdait.gatech.edu/projects/Student_IoT_Innovation_Challenge_2023

OF NOTE: Satyajit Sinha, "**Evolution of cellular IoT modules since 2010: Eight new technologies and a 15x bigger market,**" IoT Analytics (Hamburg, Germany), September 21, 2022 https://iot-analytics.com/iot-modules/ ----- David Drucker, "**First female grad of Master's in IoT pays it forward,**" Florida International University News, September 27, 2022 https://news.fiu.edu/2022/first-female-graduate-of-masters-in-iot-teaches-kids-about-engineering,-lands-job-at-gm

Special Reading Suggestions

- Rich Handley, "**India to Launch IoT-Powered Spacecraft,**" RFID Journal, September 23,-2022 https://www.rfidjournal.com/india-launches-iot-powered-spacecraft

- Paul Bent, "**Beware of the IoT,**" Monitor Daily, September 22, 2022 https://www.monitordaily.com/article-posts/beware-of-the-iot/

- Gopikrishnan Konnanath, "**How to build an IoT-ready organization,**" VentureBeat, September 19, 2022 https://venturebeat.com/data-infrastructure/building-iot-ready-organization/

- Beryl Miller, "**What is the Role of IoT in the Manufacturing Sector?**" ReadWrite, September 15, 2022 https://readwrite.com/what-is-the-role-of-iot-in-the-manufacturing-sector/

- Douglas Peter, "**IoT in hotels,**" ET Hospitality World, September 15, 2022 https://hospitality.economictimes.indiatimes.com/news/speaking-heads/iot-in-hotels/94217564

Selected IoT Perspectives
Consumer IoT

"Cloud computing's expansion, the increased use of smartphones & tablets to control IoT devices, and advancements in IoT security are all driving factors in the consumer electronics market. The need for IoT in the consumer electronics market is increasing since the internet is used in numerous applications such as industries, enterprises, and residences. The industry is being driven by consumer IoT firms' large investments in developing new technologies in IoT." (*)
(*) Market Research Future (MRFR) press release, "**IoT in Consumer Electronics Market to Garner USD 172 Billion by 2030, with a CAGR of 18%,**" Globe Newswire, May 24, 2022   https://www.globenewswire.com/en/news-release/2022/05/24/2449390/0/en/IoT-in-Consumer-Electronics-Market-to-Garner-USD-172-Billion-by-2030-with-a-CAGR-of-18-Report-by-Market-Research-Future-MRFR.html

- Report Ocean press release, "**Europe Consumer Internet of Things (CIoT) Market SWOT Analysis And Growth Strategies By Top Companies 2022-2031,**" The Colby Echo News, September 26, 2022 https://colbyechonews.com/europe-consumer-internet-of-things-ciot-market-swot-analysis-and-growth-strategies-by-top-companies-2022-2031/

- Akash Jatwala, "**IFA [**Internationale Funkausstellung , Europe's biggest consumer electronics show held in Berlin on September 2-6**] 2022 Focuses on Enhanced User Experience in Consumer IoT Products**," Counterpoint Research, September 21, 2022 https://www.counterpointresearch.com/ifa-2022-focuses-on-enhanced-user-experience-in-consumer-iot-products/

- ET CIO SouthEast Asia, "**IoT applications for consumer-oriented industries,**" CIOSEA, September 15, 2022 https://ciosea.economictimes.indiatimes.com/news/internet-of-things/iot-applications-for-consumer-oriented-industries/94200784

- Casey Crane, "**Matter, the New IoT Standard: A Look at the Future of Consumer IoT Device Interoperability & Security,**" Hashed out, September 14, 2022 https://www.thesslstore.com/blog/matter-iot-standard/

- Stuart Thompson, "**Plume: consumer demand for IoT devices including smart TVs growing fast,**" Digital TV Europe, September 2, 2022 https://www.digitaltveurope.com/2022/09/02/plume-consumer-demand-for-iot-devices-including-smart-tvs-growing-fast/

Research background info (sample): Fagan, Michael, Katerina Megas, Paul Watrobski, Jeffrey Marron, and Barbara Cuthill. "**Profile of the IoT Core Baseline for Consumer IoT Products,**" No. NIST Internal or Interagency Report (NISTIR) 8425 (Draft). National Institute of Standards and Technology, (draft issued on June 24, 2022 with comments due by July 31, 2022) https://csrc.nist.gov/publications/detail/nistir/8425/draft; Mahmud, Arif, Mohd Heikal Husin, and Mohd Najwadi Yusoff. "**Analysis on Literature Review of Internet of Things Adoption Among the Consumer at the Individual Level.**" Journal of Information Science Theory and Practice 10, no. 2 (published June 30, 2022): 45-73 https://koreascience.kr/article/JAKO202218240113944.page; Macedo, Evandro LC, Flavia C. Delicato, Luís FM de Moraes, and Giancarlo Fortino. "**Assigning Trust to Devices in the Context of Consumer IoT Applications.**" IEEE Consumer Electronics Magazine (published online February 24, 2022) https://ieeexplore.ieee.org/abstract/document/9721098; Harkin, Diarmaid, Monique Mann, and Ian Warren. "**Consumer IoT and its under-regulation: Findings from an Australian study.**" Policy & Internet 14, no. 1 (online February 21,2022): 96-113. https://onlinelibrary.wiley.com/doi/full/10.1002/poi3.285;

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