



GT CDAIT

Biweekly IoT News Digest (03/22 – 1)

COVID-19 & THE INTERNET OF THINGS
See some perspectives gathered by CDAIT on the use of IoT technologies in preventing and monitoring COVID-19 like infectious diseases, & pandemic impact on IoT and related (incl. post-pandemic) issues – as of 3/15/2022 – 1197 entries:
https://cdait.gatech.edu/sites/default/files/2022-03/Covid-19_IoT_January_2020_March_15_2022.pdf

GOVERNANCE & THE INTERNET OF THINGS

Ian Henderson, “8 Predictions for the Future of KYC [Know Your Customer] Compliance,” Nasdaq, March 11, 2022
<https://www.nasdaq.com/articles/8-predictions-for-the-future-of-kyc-compliance>

ET Government posting, “DoT [India] invites applications for registration of M2M companies for providing service,” ET Government, March 9, 2022
<https://government.economictimes.indiatimes.com/news/digital-india/dot-invites-applications-for-registration-of-m2m-companies-for-providing-service/90093339>

Martin Reeves, Suvasini Ramaswamy, and Annelies O’Dea, “Business Forecasts Are Reliably Wrong — Yet Still Valuable,” Harvard Business Review, March 8, 2022
<https://hbr.org/2022/03/business-forecasts-are-reliably-wrong-yet-still-valuable>

Amanda Brown, “WEF [World Economic Forum] publishes new digital ID report outlining plans to amalgamate data,” Western Standard, March 6, 2022
<https://westernstandardonline.com/2022/03/wef-publishes-new-digital-id-report-outlining-plans-to-amalgamate-data/>

Brad Anderson, “Role of Banking in the Growing the Internet of Things World,” ReadWrite, March 2, 2022
<https://readwrite.com/role-of-banking-in-the-growing-the-internet-of-things-world/>

Linda Hardesty, “FCC Commissioner Starks says chip shortages impact Wi-Fi 6E,” Fierce Wireless, February 27, 2022
<https://www.fiercewireless.com/wireless/fcc-commissioner-starks-says-chip-shortages-impact-wi-fi-6e>

IoT News and Market Reports

(First Half of March 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/2022-03/IoT_News_Filings_March_2022_First_Half.pdf
- Sample list of IoT-related market reports gathered by CDAIT– 80 entries – See: https://cdait.gatech.edu/sites/default/files/2022-03/IoT_Market_Reports_March_2022_First_Half.pdf

Georgia Tech IoT-related Info/Research Noticed by CDAIT

- Bordoloi, Tausif, Philip Shapira, and Paul Mativenga. “Policy interactions with research trajectories: The case of cyber-physical convergence in manufacturing and industrials.” Technological Forecasting and Social Change 175 (2022): 121347
<https://www.sciencedirect.com/science/article/abs/pii/S0040162521007782>
- Yepu Cui, Eui Min Jung, Ajibayo Adeyeye, Charles Lynch, Xuanke Heand, and Manos Tentzeris, “Additively Manufactured RF Devices for 5G, IoT, RFID, WSN, and Smart City Applications,” In Nanotechnology For Electronics, Biosensors, Additive Manufacturing And Emerging Systems Applications, pp. 163-174. 2022
https://www.worldscientific.com/doi/abs/10.1142/9789811242823_0016

OF NOTE: Perspectives on Mobile World Congress [MWC] 2022 in Barcelona: Rajani Baburajan, “IPv6 Forum MWC 2022: IPv6 on Everything and IPv6 Enhanced Innovation to boost digital economy,” Telecomlead, March 4, 2022 <https://www.telecomlead.com/telecom-equipment/ipv6-forum-mwc-2022-ipv6-on-everything-and-ipv6-enhanced-innovation-to-boost-digital-economy-103828>; Louis Columbus, “Telecoms bet 5G will help them own Industry 4.0,” VentureBeat, March 4, 2022 <https://venturebeat.com/2022/03/04/telecoms-bet-5g-will-help-them-own-industry-4-0/>; Ryan Browne, “The metaverse stole the show at the world’s biggest mobile event — and things got weird,” NBC, March 4, 2022 https://www.cnbc.com/2022/03/04/the-metaverse-stole-the-show-at-mobile-world-congress.html?mc_cid=5ddc53dc8b&mc_cid=cf0b0e87e1

Special Reading Suggestions

- Roberto Yus and Primal Pappachan, “Smart devices spy on you – 2 computer scientists explain how the Internet of Things can violate your privacy,” The Conversation, March 14, 2022 <https://theconversation.com/smart-devices-spy-on-you-2-computer-scientists-explain-how-the-internet-of-things-can-violate-your-privacy-174579>
- Joe Fízor, “5G Rollout: Bringing the Internet of Things To Life,” Toolbox, March 11, 2022 <https://www.toolbox.com/tech/iot/guest-article/5g-rollout-bringing-the-internet-of-things-to-life/>
- Michael Chui and Mark Collins, “IoT comes of age,” McKinsey, March 7, 2022 <https://www.mckinsey.com/business-functions/mckinsey-analytics/our-insights/iot-comes-of-age>
- Bill Curtis, “2022 IoT Technology Trends The Era Of IoT Plug-And-Play Begins,” Forbes, March 3, 2022 <https://www.forbes.com/sites/mooninsights/2022/03/03/2022-iot-technology-trends-the-era-of-iot-plugin-and-play-begins/?sh=651882491ac>
- Deanna Ritchie, “How to Create a Cybersecurity Disaster Recovery Plan,” ReadWrite, March 1, 2022 <https://readwrite.com/cybersecurity-disaster-recovery-plan/>

Selected IoT Perspectives Internet of Things and Web 3.0

“IoT will also be fundamental in making Web 3.0 ubiquitous, with a whole host of new smart devices being connected to the Web and thus accessing content.” ()*

(*) Alexander Jones, “What is Web 3.0, and why does it matter?” International Banker, October 3, 2021 <https://internationalbanker.com/technology/what-is-web-3-0-and-why-does-it-matter/>

- Claudia Pincovski (Editor), “Connecting the dots: adversity, resilience, inclusion, and Web 3.0,” The Paypers, March 8, 2022 <https://thepappers.com/expert-opinion/connecting-the-dots-adversity-resilience-inclusion-and-web-3-0-1255005>
- Shanti Escalante-De Mattei, “Web3 Threatens to Segregate Our Online Lives,” Wired, March 1, 2022 <https://www.wired.com/story/web3-governance-tokens-cryptocurrency-content-moderation/>
- Aman Rawat, “What is Web 3.0 and how it will help users in future? All you need to know,” Zee News (India), February 27, 2022 <https://zeenews.india.com/technology/what-is-web-3-0-and-how-it-will-help-users-in-future-all-you-need-to-know-2440499.html>
- Kripto 123 posting “Internet of Things and Web 3.0,” Kripto 123, February 25, 2022 <https://kripto123.com/internet-of-things-and-web-3-0/>
- VinceH, “What is Web 3.0? Is this the next big thing? How it could change the future,” Coincu website, February 11, 2022 <https://news.coincu.com/40716-what-is-web-3-0/>
- Tim McCarthy, “Web3 use cases for storage flimsy for now,” TechTarget, February 1, 2022 <https://www.techtarget.com/searchstorage/feature/Web3-use-case-for-storage-is-flimsy-for-now>
- Aishwarya Banik, “Top 10 Trends of Web 3.0 and Blockchain Technology in 2022,” Analytics Insight, December 15, 2021 <https://www.analyticsinsight.net/top-10-trends-of-web-3-0-and-blockchain-technology-in-2022/>
- Rohith Gandhi, “Tangle — the missing link for IoT and Web 3.0,” IoTΑ News, May 23, 2019 <https://iota-news.com/tangle-the-missing-link-for-iot-and-web-3-0/>

Research background info (sample): Salim, Sara, Benjamin Turnbull, and Nour Moustafa. “Data analytics of social media 3.0: Privacy protection perspectives for integrating social media and Internet of Things (SM-IoT) systems,” Ad Hoc Networks (2022): 102786. <https://www.sciencedirect.com/science/article/abs/pii/S1570870522000051>; Peng, Hsin-Pey. “Symbolic ‘Entrance’ Effects of IoT: Portable Cosmetics Commerce behind the Deep-Link of web. 3.0—A Case Study of Social Media Platform Store,” In Fashion Communication, pp. 41-52. Springer, Cham, online September 2, 2021; https://link.springer.com/chapter/10.1007/978-3-030-81321-5_4; Drakatos, P., Demetriou, E., Koumou, S., Konstantinidis, A., & Zéinalipour-Yazü, D. (online July 7, 2021), “Triastore: A Web 3.0 Blockchain Datastore for Massive IoT Workloads,” In 2021 22nd IEEE International Conference on Mobile Data Management (MDM) (pp. 187-192). IEEE <https://ieeexplore.ieee.org/abstract/document/9474877>; G. Hatzivasilis et al., “The Interoperability of Things: Interoperable solutions as an enabler for IoT and Web 3.0,” 2018 IEEE 23rd International Workshop on Computer Aided Modeling and Design of Communication Links and Networks (CAMAD). online November 12018. pp. 1-7. doi: 10.1109/CAMAD.2018.8514952. <https://ieeexplore.ieee.org/document/8514952>