February 2021 Highlights

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 issues – as of 10/31/2021 – 1025 entries:
https://devcdait.gatech.edu/sites/default/files/covid-19_iot_january_2020_october_31_2021.pdf

GOVERNANCE & THE INTERNET OF THINGS

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Global Data press release, "**Internet of Things (IoT): Macroeconomic Trends,**" Verdict, October 21, 2021 https://www.verdict.co.uk/internet-of-things-iot-macroeconomic-trends/

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Avast Blog, "**Top IoT Devices Reported By Abuse Victims,**" [United Kingdom], Security Boulevard, October 19, 2021 https://securityboulevard.com/2021/10/top-iot-devices-reported-by-abuse-victims-avast/

Andrea Hutchins,"**It Is Time To Revitalize Rural America,**" International Business Times, October 17, 2021 https://www.ibtimes.com/it-time-revitalize-rural-america-3318172

IoT News and Market Reports

(Second Half of October 2021)

- 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://devcdait.gatech.edu/sites/default/files/iot_news_filings_october_2021_second_half.pdf

- Sample list of **IoT-related market reports** gathered by CDAIT– 85 entries – See: https://devcdait.gatech.edu/sites/default/files/iot_market_reports_october_2021_second_half.pdf

Georgia Tech IoT-related Info/Research Noticed by CDAIT

- Mordechai Rorvig, "**Innovative IV Sensor Moves Closer to Clinical Trial,**" [about GT researchers and a team of clinicians and nurses from Children's Hospital of Atlanta who have been running a pilot study on a new biomedical safety device they've developed], GT Research, October 6, 2021 https://research.gatech.edu/innovative-iv-sensor-moves-closer-clinical-trial

- Cheng Qi, "**A Long-range Fine-scale RF Positioning System Using Tunneling Tags,**" Ph.D. dissertation, GT School of Electrical and Computer Engineering, May 2021 https://smartech.gatech.edu/handle/1853/64771

- Shuai Nie, "**Ultra-Massive MIMO [Multiple Input Multiple Output] Communications in the Millimeter Wave and Terahertz Bands for Terrestrial and Space Wireless Systems**," Ph.D. dissertation, GT School of Electrical and Computer Engineering, May 2021 https://smartech.gatech.edu/handle/1853/64767

OF NOTE: * Internet of Things for Manufacturing (IoTfM) Symposium - November 10, 2021** - Hosted by the Georgia Tech Manufacturing Institute - IoTfM Symposium Website: https://bit.ly/iotfm2021; Registration: https://primetime.bluejeans.com/a2m/register/cuahqjpj *** 27th Georgia Tech Global Business Forum (GTGBF), 1st Global USA Business Forum (GUBF) & 12th USA India Business Summit (UIBS) on **Leveraging Opportunities in a Global Digitalized Economy - November 17-18, 2021** - organized by the Georgia Tech Center for International Business Education and Research (CIBER), UIBS, the Georgia Department of Economic Development, and the US India Business and Research Center - Registration: http://www.usaindiabusinesssummit.com/registration.php

Special Reading Suggestions

- Yash Mehta, **" Why is 5G a boon for enterprises exploring IoT development?"** Vanilla Plus, October 21, 2021 https://www.vanillaplus.com/2021/10/21/64659-why-is-5g-a-boon-for-enterprises-exploring-iot-development/

- Paul Fadlovich," **11 Myths About Smart Utilities IoT and Antenna Strategies,**" Electronic Design, October 20, 2021 https://www.electronicdesign.com/technologies/iot/article/21178993/laird-connectivity-11-myths-about-smart-utilities-iot-and-antenna-strategies

- Stacey Higginbotham, "**Satellite IoT dreams are crashing into reality,**" Stacey on IoT blog, October 19, 2021 https://staceyoniot.com/satellite-iot-dreams-are-crashing-into-reality/

- Tyler Reguly, "**Practical IoT Hacking: The Definitive Guide to Attacking the Internet of Things,**" Tripwire, October 18, 2021 https://www.tripwire.com/state-of-security/vert/tripwirebookclub-practical-iot-hacking-the-definitive-guide-to-attacking-the-internet-of-things/

- Broadband Breakfast Staff "**Internet of Things Will Revolutionize Industries as Connectivity Ceases To Be Limiting Factor,**" Broadband Breakfast, October 13, 2021 https://broadbandbreakfast.com/2021/10/internet-of-things-will-revolutionize-industries-as-connectivity-ceases-to-be-limiting-factor/

Selected IoT Perspectives
The Internet of Things in the Oil and Gas Industry
"Oil and gas companies and energy companies are ahead of others in IoT Use Case Adoption" (IoT Analytics, **Report 2021**, 10/13/2021)

- Cointelegraph, "**The Future of the Vast Oil and Gas Industry Depends on Blockchain,**" Journal of Petroleum Technology, October 22, 2021 https://jpt.spe.org/the-future-of-the-vast-oil-and-gas-industry-depends-on-blockchain

- Pablo Luna, "**Trending Technology in the Oil and Gas Industry,**" October 20, 2021 https://www.pulseheadlines.com/trending-technology-in-the-oil-and-gas-industry/77890/

- Research and Markets press release, "**IoT in Oil & Gas - Global Industry to Witness a CAGR of 23% During 2021-2026,**" Globe Newswire, October 13, 2021 https://www.globenewswire.com/news-release/2021/10/13/2313217/0/en/IoT-in-Oil-Gas-Global-Industry-to-Witness-a-CAGR-of-23-During-2021-2026-Market-Research-Report.html

- Ed Reed, "**COVID-19 drove IoT adoption in oil and gas sector,**" Energy Voice, September 22, 2021 https://www.energyvoice.com/oilandgas/351245/oil-companies-iot-covid-19/

- James Blackman, "**Shell hands major IoT contracts for oil well and refinery monitoring to Dutch startups,**" Enterprise IoT Insights, September 13, 2021 https://enterpriseiotinsights.com/20210913/channels/news/shell-hands-major-iot-contracts-for-oil-well-and-refinery-monitoring-to-dutch-startups

- Deloitte, "**Internet of Things in Oil and Gas,**" Deloitte website, n.d. https://www2.deloitte.com/us/en/pages/consulting/articles/iot-digital-oil-and-gas.html

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