GT CDAIT
Biweekly IoT News Digest (03/21 – 2)

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 – as of 03/31/2021 - 748 entries:
https://devcdait.gatech.edu/sites/default/files/ovid-19_iot_january_2020_march_31_2021.pdf

GOVERNANCE & THE INTERNET OF THINGS

Brenda Marie Rivers, "Sen. Edward Markey, Rep.Ted Lieu Reintroduce Legislation on IoT Certification Procedures," ExecutiveGov, March 26, 2021
https://www.executivegov.com/2021/03/sen-edward-markey-rep-ted-lieu-reintroduce-legislation-on-iot-certification-procedures/

Gail Dutton, "4 Strategies to Harden the Pharma Supply Chain Before Federal Mandates Kick In," Biospace, March 23, 2021
https://www.biospace.com/article/4-strategies-to-harden-the-pharma-supply-chain-before-federal-mandates-kick-in/

Phil Goldstein, "How to Make Progress on Implementing IPv6 in Government," FedTech Magazine, March 18, 2021
https://fedtechmagazine.com/article/2021/03/how-make-progress-implementing-ipv6-government-perfcon

Adam Mazmanian, "White House tees up cyber labeling policy," FCW, March 15, 2021
https://fcw.com/articles/2021/03/15/cyber-grades-white-house.aspx

Abheek Dutta, "Reimagining Digital Governance With Artificial Intelligence And IoT," Forbes, March 9, 2021
https://www.forbes.com/sites/forbestechcouncil/2021/03/09/reimagining-digital-governance-with-artificial-intelligence-and-iot/?sh=6378aa9a78a0

Justin Katz, "Under new law, NIST looks to map out vulnerability disclosure policies for government," FCW, March 4, 2021
https://fcw.com/articles/2021/03/04/nist-vuln-disclosure-iot-law.aspx

IoT News and Market Reports

(Second Half of March 2021)

- Selected **IoT-related announcements and featured activities/topics in the second half of March 2021** 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_march_2021_second_half.pdf
- Sample list of **IoT-related market reports published in the second half of March 2021** gathered by CDAIT– 80 entries – See: https://devcdait.gatech.edu/sites/default/files/iot_market_reports_march_2021_second_half.pdf

Georgia Tech IoT-related Info/Research Noticed by CDAIT

- Shenle Pan, Damien Trentesaux, Duncan McFarlane, Benoit Montreuil, Eric Ballot and George Q. Huang, "**Digital interoperability in logistics and supply chain management: state-of-the-art and research avenues towards Physical Internet,"** Computers in Industry, Volume 128, June 2021, 103435, available online March 4, 2021 https://doi.org/10.1016/j.compind.2021.103435
- Daniel Schiff, Jason Borenstein, Justin Biddle, and Kelly Laas, "**AI Ethics in the Public, Private, and NGO Sectors: A Review of a Global Document Collection**," in IEEE Transactions on Technology and Society, vol. 2, no. 1, pp. 31-42, March 2021, doi: 10.1109/TTS.2021.3052127, https://ieeexplore.ieee.org/abstract/document/9327495
- Manos M. Tentzeris, Aline Eid, Tong-Hong Lin, Jimmy G.D. Hester, Yepu Cui., Ajibayo Adeyeye, Bijan Tehrani, and Syed A. Nauroze, "**Inkjet-/3D-/4D-Printed Nanotechnology-Enabled Radar, Sensing, and RFID Modules for Internet of Things, "Smart Skin," and "Zero Power" Medical Applications**," Chapter 11 in book *Antenna and Sensor Technologies in Modern Medical Applications* (pp.399-434), published online March 18, 2021 https://doi.org/10.1002/9781119683285.ch11
- Mirage News Staff, "**Leveraging 5G Network to Wirelessly Power IoT Devices**," {About research at the **ATHENA Lab at Georgia Tech**), Miraage News, March 26, 2021 https://www.miragenews.com/leveraging-5g-network-to-wirelessly-power-iot-534841/

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Raghu Das, "**6G Communication Myths, Explored by IDTechEx,"** IoT Business News, March 18, 2021 https://iotbusinessnews.com/2021/03/19/28710-6g-communication-myths-explored-by-idtechex/

Special Reading Suggestions

Articles

- Toby Bargar, "**Coverage and Confusion: 5G and IoT Create New Tax Implications in 2021**," IoT Business News, March 26, 2021 https://iotbusinessnews.com/2021/03/26/93998-coverage-and-confusion-5g-and-iot-create-new-tax-implications-in-2021/
- Alexis Susset, "**5 IoT pricing trends to watch in 2021,"** IoT Now, March 17, 2021 https://www.iot-now.com/2021/03/17/108408-5-iot-pricing-trends-to-watch-in-2021/
- Rob Enderle, Eric Hibbard, and Jim Fister (presenters),"**The Ethics of Artificial Intelligence**", BrightTALK, March 16, 2021 [58mn recording, free registration] https://www.brighttalk.com/webcast/663/467045?utm_source=brighttalk-recommend&utm_campaign=network_weekly_email&utm_medium=email&utm_content=collab&utm_term=122021

Selected IoT Perspectives
The Internet of Things for Defense and Military Applications

- Jackson Barnett, "**Congress shows interest in boosting unmanned systems in Navy,"** FedScoop, March 18, 2021 https://www.fedscoop.com/congress-seapower-unmanned-systems-in-navy-force-design/
- Sebastian Krueger, "**IoT Monitoring for Defense and Public Safety**," Armed Forces Communications and Electronics Association (AFCEA), March 9, 2021 https://www.afcea.org/content/iot-monitoring-defense-and-public-safety
- David Vergum, "**DOD Officials Discuss Quantum Science, 5G and Directed Energy,"** US Department of Defense, March 9, 2021 https://www.defense.gov/Explore/News/Article/Article/2530494/dod-officials-discuss-quantum-science-5g-and-directed-energy/
- Kelsey Atherton, "**Army Seeks Security For 'Smart' Base Networks,"** Breaking Defense, January 22, 2021 https://breakingdefense.com/2021/01/army-seeks-security-for-smart-base-networks/
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- Harry Lye and Berenice Baker, "**Defence technology in 2021: our predictions**," Army Technology, December 17, 2020 https://www.army-technology.com/features/defence-technology-in-2021-our-predictions/
- Australian Government, Defense Science and Technology Group, "**The Internet of Things: here, there and everywhere**," Department of Defense, November 20, 2020 https://www.dst.defence.gov.au/news/2020/11/20/internet-things-here-there-and-everywhere
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Research background info: Lalita Mishra, Vikash, and Shirshu Varma, "**Internet of Things for Military Applications**," 2020 7th International Conference on Computing for Sustainable Global Development (INDIACom), published online May 13, 2020 https://ieeexplore.ieee.org/document/9083730; and Stephen Russell and Tarek Abdelzaher Rameez, "**The Internet of Battlefield Things: The Next Generation of Command, Control, Communications and Intelligence (C3I) Decision-Making**," MILCOM 2018 - 2018 IEEE Military Communications Conference (MILCOM), published online January 3, 2019 https://ieeexplore.ieee.org/document/8599853 – See also "**Internet of Battlefield Things**" consortium info: https://www.arl.army.mil/business/collaborative-alliances/current-cras/iobt-cra/

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