

Networking Technologies to Fight the COVID-19 Pandemic

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Abstract – Finding effective ways to fight the pandemic caused by COVID-19 is essential to controlling the spread of the disease. Networking solutions are emerging as an effective tool for contact tracing, a procedure where infected individuals can alert others that have recently come into contact with them and properly isolate themselves to prevent further spread of the virus. Protocols such as Bluetooth and Wi-Fi are effectively being utilized to log information such as distance between two people, the amount of time spent near each other, and contact information to reach a user if they have been exposed. The benefits of utilizing this technology can be life-saving, but there also valid concerns about user privacy, reliability, and limitations of the technology's use and utilization. However, the prompt uptake of networking to contact trace will prove to be an effective component of reducing cases of COVID-19.