COVID-19 Inventor Showcase

The CCTS Translational Innovation Program pivoted the in-person monthly Startup Inventor Showcase to a fully virtual panel series in June 2020 to highlight experts who are collaborating together to fight against COVID-19 on our front lines of innovation.

Tuesday, June 22 | Noon – 1 p.m. | Webinar
Handheld Ultrasound Diagnosis of COVID-19

The COVID-19 pandemic remains as an ongoing pandemic in the world although the number of new cases in the United States continue to decline. As of May 28, 2021, more than 169 million cases have been confirmed worldwide, with more than 3.5 million deaths attributed to COVID-19, making it one of the deadliest pandemics in history. Overall, the United States has confirmed more than 33 million COVID-19 cases since the pandemic began. The CDC reports there have been more than 359 million COVID-19 vaccine doses administered across the country resulting in at least half of the adult population in 50 percent of our states fully vaccinated. Although experts are buoyed by these numbers, there is still work to do to keep the pandemic under control worldwide. Turnaround times and accessibility remains an issue with existing COVID-19 diagnostic tests and there is a need for better, faster COVID-19 diagnostic tools for the masses. Register to learn how an Ohio State civil, environmental and geodetic engineering professor, Professor Alper Yilmaz, PhD student Shehan Perera and other team members combined ultrasound scans of the lung with deep learning technology to identify COVID-19. The handheld diagnostic test takes less than 10 minutes, including scanning and sanitization time.

LEARN MORE    REGISTER NOW

Inventors
Alper Yilmaz, Ph.D
Professor, Geo-Informatics
Michael Karnes, MS
Graduate Research Associate
Shehan R Perera MS
Graduate Research Associate

Srikar Adhikari, MD, MS
Professor & Emergency Ultrasound Chief University of Arizona

Featured Campus Resources
*Civil Environmental & Geodetic Engineering - Allison MacKay, PhD
*Photogrammetric Computer Vision Lab - Alper Yilmaz, Ph.D

Co-presented by:
Ohio State’s Corporate Engagement Office
Nationwide Children’s Hospital Office of Technology Commercialization

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