USC-IISc Faculty Research Online Symposium on COVID-19

Thursday, June 11 8 AM to 10:30 AM at USC/ 8:30 PM to 11:00 PM at IISc

Coordinators: Prof. Cauligi Raghavendra, USC and Prof. Vijay Kumar, IISc

Moderator: Tiffany Tay

Agenda

Thursday, June 11, 2020 8 AM at USC/8:30 PM at IISc

Zoom Meeting Link: https://tinyurl.com/USCIISc2020

Opening Remarks

8:00 AM to 8:10 AM/8:30 AM to 8:40 PM

Yannis Yortsos (Dean, Viterbi School of Engineering, USC)

Yadati Narahari (Chair, Division of Electrical, Electronics and Computer Sciences, IISc)

Technical Session

8:10-8:30 AM at USC / 8:40-9:00 PM at IISc

Yannis Yortsos and Assad Oberai, USC: A comprehensive spatial-temporal infection spreading model, with applications to COVID-19.

8:30-8:50 AM at USC / 9:00-9:20 PM, IISc

Viktor Prasanna, USC: Machine Learning to Track the Spread of COVID-19

8:50-9:10 AM at USC / 9:20-9:40 PM at IISc

Yogesh Simmhan, IISc: GoCoronaGo: Privacy-respecting Contact Tracing for COVID-19

9:10-9:30 AM at USC / 9:40-10:00 PM at IISc

Bhaskar Krishnamachari, USC: Privacy-sensitive Mobile-based Contact Tracing for Epidemics

9:30-9:50 AM at USC / 10:00-10:20 PM at IISc

Rajesh Sundaresan, **IISc:** The IISc-TIFR City-scale Agent-based Simulator and its Use in Comparing Unlockdown Strategies

9:50-10:10 AM at USC / 10:20-10:40 PM at IISc

Sriram Ganapathy, Prasanta Ghosh and R. Nirmala, IISc: Does Covid-19 leave a sound trail?

10:10-10:30 AM at USC/10:40-11:00 PM at IISc

Discussion and Closing