You are invited to a virtual seminar hosted by ICCSSA
29 April 2021 14:00 – 16:30

GUEST SPEAKERS:

Speaker 1: Dr Ali Asgary (York University)
Title: Mass Vaccination Options: simulation experiences of drive-thru and walk-in mass vaccination clinics.

Different mass vaccination options are available that can be used to vaccinate millions of people in a short period of time. Each option has its own pros and cons and various environmental, public health, and logistical factors and challenges need to be considered in their site selection, layout, staffing, resourcing and operations. Temporary drive-through and walk-in clinics are being proposed and used for mass vaccination during the covid-19 pandemic. In this presentation, these options are discussed and some of the simulations and applications developed at York University's Advanced Disaster, Emergency and Rapid-response Simulation (ADERSIM) to examine the effectiveness of these options with reference to some real world cases are examined.

Dr Ali Asgary is an associate professor and founding member of York University's Disaster and Emergency Management Program. Since 2015 he has been the associate director of the Advanced Disaster, Emergency and Rapid-response Simulation (ADESIM) at York University. Dr Asgary's teaching and research interests are in diverse areas of disaster and emergency management with special focus on disaster and emergency simulation and modelling and businesses continuity, disaster recovery. He is currently involved as the principal investigator and co-investigator of a number of major research projects related to COVID-19 pandemic funded by Canadian funding agencies including SSHRC, CIHR, NSERC, and DRDC, IDRC among others. He leads the ADERSIM mass vaccination simulation team at York University.

Speaker 2: Prof. Bruce Mellado (iThemba LABS and University of the Witwatersrand)
Title: Modelling the vaccination roll out

In this presentation, work in partnership with the Gauteng Department of Health in the area of vaccine roll out modelling will be summarised. This includes understanding target populations in light of different kinds of vulnerabilities. The use of Artificial Intelligence in this space will be showcased.

A PhD from Columbia University, Bruce Mellado, is a Full Professor at the University of the Witwatersrand, a Senior Researcher of iThemba LABS and serves as the Director of the Institute for Collider Particle Physics. Prof. Mellado is the National Contact Physicist of South Africa at the ATLAS experiment at CERN and is the co-Chair of the Nuclear Particle and Radiation Division of South African Institute of Physics. He is the recipient of several awards and fellowships. Prof. Mellado is an internationally acclaimed, B1 rated researcher of the National Research Foundation of South Africa.

He is an expert on the Higgs boson – a sub-atomic particle that is thought to give matter its mass – and was a leading participant in its discovery that was announced in 2012 and led to the Nobel Prize in Physics being awarded in 2013 to François Englert and Peter W. Higgs. He has attained and continues to have a number of positions of leadership internationally.

He is a member of the Gauteng Premier's COVID-19 Advisory Committee, where he leads work on predictions, and is also the Co-President of the Africa-Canada Artificial Intelligence Data Modelling Consortium. The project received grant awards by the IEEE and the IDRC, and also includes partnerships with IBM and Amazon. The project has been covered extensively on TV, radio and major newspapers. For a selection of interviews and articles on the press: https://www.dropbox.com/sh/9ybm4x2tgcqasgn/AABFuAnx95Kvcqs9Y61u4QDTa?dl=0

CLICK HERE TO JOIN:

ICCSSA
INSTITUTE FOR PRACTICING STATISTICIANS