## CAIMS21

# Mathematical Modelling of COVID-19 Transmission and Mitigation Strategies: Efforts to End the Pandemic

11:00-11:30 Bruce MelladoUniversity of the WitwatersrandModelling the COVID-19 pandemic in South Africa: the role of AI



## 11:30-12:00 Ngwa Gideon

University of Buea

A model that incorporates non-pharmaceutical interventions, human behavioural characteristics and vaccination to investigate the long term dynamics of SARS-CoV-2 virus disease in a variable human population

#### 12:00-12:30 Jesse Knight

University of Toronto *Time between infections versus time between symptom onset in COVID-19: implications for estimating the reproduction number* 

#### 12:30-12:45 Farrukh Chishtie

University of Western Ontario Some Mathematical Models of COVID-19 Transmission and the Role of Protective Measures Disease Mode



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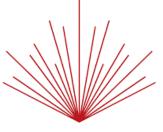
## Mathematical Modelling of COVID-19 Transmission and Mitigation Strategies: Efforts to End the Pandemic

3:00-3:30 **Xiaoying Wang** Trent University *Studying social awareness of physical distancing in mitigating COVID-19 transmission* 

3:30-4:00 Lauren Childs Virginia Tech *Modeling mitigation strategies to contain COVID-19* 

4:00-4:30 **Matt Betti** Mount Allison University *Combining data forecasting with scenario-based modeling for insights into a rapidly changing outbreak situation* 





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