1158-92-209   **Joceline Lega*** (`lega@math.arizona.edu`), Department of Mathematics, University of Arizona, Tucson, AZ 85721. *Forecasting the course of disease outbreaks with ICC curves.*

In this talk, I will present a new approach to forecast the course of a disease outbreak, which centers around the use of Incidence - Cumulative Cases (ICC) curves. I will first introduce ICC curves and give an exact formulation in the case of the SIR (Susceptible - Infected - Removed) epidemiological model. I will then discuss how ICC curves may be used for parameter identification and outbreak forecasting. Finally, I will show some examples of application, including forecasts for COVID-19 outbreaks in various locations. (Received March 02, 2020)