



UNIVERSIDADE FEDERAL DO PARANÁ - UFPR  
CENTRO POLITÉCNICO  
DEPARTAMENTO DE MATEMÁTICA

## Seminários Contínuos do Programa de Pós-Graduação em Matemática

31 de agosto de 2018 - 15:30 - Anfiteatro A (Bloco PC)

### How mathematical modeling is changing the world

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ABSTRACT. The derivation of mathematical models has always been key to understanding the physical laws that rule our world. Mathematics is a cheap and efficient tool behind most of the important recent technological developments. The use of sophisticated mathematics together with computational techniques lead to accurate and robust methods to solve problems that would be out of our reach otherwise. In this talk, several examples showing how mathematical models have a direct impact in our every day life will be presented.