

Thursday, March 31, 2016  
4:30–5:20 p.m.  
SAS 2102

# Modeling the European Refugee Crisis in 96 Hours

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“When am I ever going to use this?”

It’s a question every student has asked at least once. The Modeling Contest in Mathematics (MCM), held annually by COMAP, provides a way for undergraduates to apply the knowledge gained from classes to **real world problems**. Each year, COMAP presents six interesting prompts, anything from locating Malaysian Airlines Flight MH370 to figuring out how to best enjoy a bath. 96 hours and a little sleep deprivation later, teams of students return a solution to one of the proffered prompts.

This year for MCM, we addressed the European refugee crisis. In 2015, 715,000 refugees applied for asylum in Europe alone. Using a network equilibrium framework, we **modeled the refugees’ movement** within Africa, Europe, and the Middle East; based on our models results, we recommended policy to most effectively manage the movement and relocation of people. **This talk will be accessible to all undergraduates.**

NCSU Society for Undergraduate Mathematics

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