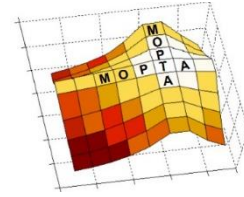


INDUSTRIAL AND SYSTEMS  
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**Certificate of Award**

**2021 AIMMS-MOPTA**  
**Optimization Modeling Competition**

**Third Place**

**Team:** Flamerunners

**Team Members:** Enrique Areyan Viqueira,  
Shamay Samuel

**Advisor:** Serdar Kadioglu

**Institution:** Brown University

Judges Panel:

Mohan Chiriki, Optimization Specialist, AIMMS  
Albert S. Berahas, Organizing Committee Chair (University of Michigan)  
Ana-lulia Alexandrescu (Lehigh University)  
Karmel S. Shehadeh, Competition Chair (Lehigh University)  
Luis F. Zuluaga (Lehigh University)