



**GDRR Program Opening Workshop
August 5-9, 2019**

SPEAKER TITLES/ABSTRACT

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“Game Theory and National Security”

Hundreds of billions of U.S. dollars have been allocated to homeland security since 9/11/2001. How to optimally allocate these resources remains a challenging issue, especially considering the fact that adversaries are intelligent and adaptive. We will present a sequence of game theoretical models to identify equilibrium strategies for resource allocation to counter both terrorism and natural disasters. We will also discuss models of secrecy and deception, games between defenders, games between attackers, robust games, multiple-target games, and multiple-period games.