

## **CALL FOR PAPERS**

# **Special Issue of the *System Dynamics Review* on: Modeling and Simulation of Terrorism and Insurgency Movements: Methods, Data, and Associated Challenges**

Guest Editors

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**Description:** The events of September 11, 2001, changed the world and modified the way in which individuals of all nations, religions, and political affiliations perceive every-day risks. The experience of recent terrorist actions around the world underscores the systemic interactions that have the potential to create threats, vulnerabilities, and devastating consequences to individuals while conducting their daily activities. This is an evolution of an ongoing historical process; throughout recent centuries, groups that disagree with the status quo in nations have chosen to disrupt normal life for many by engaging in actions conducive to influencing large-scale political change using tactics of asymmetric warfare, including raids, guerrilla warfare, and—increasingly—terrorism. Terrorism and insurgency movements, though differing in some respects, share the goal of generating profound change in highly complex social systems by using violent, disruptive, and secretive actions. The success or failure of such actions in changing the contested belief or political system is determined by a multitude of interactive feedback processes at the core of these phenomena including social, political, and military exchanges between insurgents/terrorists; government, military, and police forces; and the citizenry. It is now appropriate to compile state-of-the-art research on modeling and simulation of terrorism and insurgency movements in a special issue of the *System Dynamics Review*. This special issue seeks papers focusing on the challenges associated with the modeling and simulation of terrorism and insurgency movements, methods for dealing with these challenges, and related data needs.

We solicit contributions spanning a diverse set of topics, such as, but not limited to:

- Underlying structures of terrorism and insurgency movements.
- The shaping and reshaping of the social fabric due to terrorism and insurgency movements.
- Fundamental processes embedded in the emergence of terrorism and insurgency movements.
- Case studies that showcase structural mechanisms conducive to expansion/contraction of terrorism and insurgency movements.
- Cyber terrorism, its causes and implications.
- Effects of terrorism and insurgency movements on critical infrastructures.

- Effects of terrorism and insurgency on organizations, institutions, and governments.
- Combating asymmetric warfare.
- Counterinsurgency and counterterrorism strategies.
- Drivers of stability of nation-states.
- Government-initiated antiterrorism activities.
- Connections between organized crime and terrorism and insurgency movements.
- Globalized terrorism and insurgency movements.
- Multilateral-response to insurgencies and terrorism.
- Rebuilding after terrorism and insurgency movements.
- Factionalization of terrorism and insurgency movements.
- Preparedness for terrorism and insurgency movements.
- Living with terrorism and insurgency movements at home and abroad.

Submitted papers should contain original research contributions, exhibit methodological rigor, clearly articulate their relevance, and follow the journal's author guidelines. Submissions will be reviewed by the guest editors, senior editors, and referees (using a double-blind process). Prospective authors should send a two-page extended abstract by **September 16, 2011**, to the special email address for submissions given below. Invitations to submit full papers will be sent out by October 16, 2011. Full papers are due **June 30, 2012**.

Publication of the special issue is tentatively expected in Volume 29 (2013). Paper provisions and submission guidelines are available at [wileyonlinelibrary.com/journal/sdr](http://wileyonlinelibrary.com/journal/sdr). Submissions should be addressed to "SDR Special Issue Editor" and should be emailed to [editor@sdr-special-issue.org](mailto:editor@sdr-special-issue.org).

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