

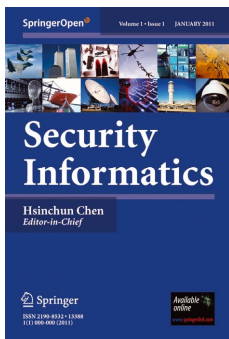
## Call for Papers

# Security Informatics

**Special Issue on  
Biologically Inspired Analysis of Social Systems:  
A Security Informatics Perspective**

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FOR  
PAPERS**

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Many national security challenges have at their core the problem of understanding and predicting the behavior of social systems, for instance in order to discover groups of individuals of interest, characterize their current activities and motivations, and anticipate the way they are likely to behave in the future. However, despite the allocation of vast resources to the task of analyzing and forecasting social behavior, the utility of such analysis remains limited. Biologically inspired (BI) approaches to analyzing complex systems appear to offer significant potential for this problem domain. For example, rapid progress is being made in the application of BI algorithms to challenging questions in the fields of financial market analysis, cyber security, and large-scale optimization. Recognizing the potential of BI methods for security informatics problems, the Department of Homeland Security recently hosted a series of workshops on this theme. Motivated by the success of these workshops, we are organizing a Special Issue of Security Informatics on “Biologically Inspired Analysis of Social Systems: A Security Informatics Perspective”.

We invite high quality submissions on all aspects of this theme, including:

- ▶ Methods for modeling and analyzing social systems, and for predicting the outcomes of their dynamics, which are inspired by biological phenomena and/or based on analysis techniques originally developed for biological systems;
- ▶ BI methods for data/text/web mining for security; applications of interest include intelligence-related knowledge discovery, social media analytics, and threat detection, tracking, and early warning;
- ▶ BI techniques for analyzing social systems and networks for security; applications of interest include understanding and forecasting group violence, analyzing criminal, terrorist, and extremist networks, and planning, executing, and assessing counter-radicalization and counter-terrorism campaigns.

### Submission Schedule

- ▶ **Submissions due:**  
**August 15, 2011**
- ▶ **Notification of authors:**  
**November 1, 2011**
- ▶ **Submission of final manuscripts:**  
**December 15, 2011**
- ▶ **Special issue appears**  
**in 2012**

### Submission Instructions:

Authors should adhere to formatting guidelines for Security Informatics, submit their manuscript electronically to <http://www.security-informatics.com/>, and specify that the submission is intended for the Special Issue on “Biologically Inspired Analysis of Social Systems: A Security Informatics Perspective”. Without such specification, submissions will be considered as a regular submission. All submissions will undergo initial screening by the Guest Editors for fit to the theme of the Special Issue and prospects for successfully negotiating the review process.

#### Guest Editors

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