



## Philosophy & Technology

Editor-in-Chief: Luciano Floridi (Oxford)

The journal addresses the expanding scope and unprecedented impact of technologies, in order to improve the critical understanding of the conceptual nature and practical consequences, and hence provide the conceptual foundations for their fruitful and sustainable developments. The journal welcomes high-quality submissions, regardless of the tradition, school of thought or disciplinary background from which they derive.

Call for Papers for Philosophy and Technology's special issue on *Landscaping Strategic Cyber Deterrence*

### GUEST EDITOR

Mariarosaria Taddeo, Oxford Internet Institute, University of Oxford

### INTRODUCTION

As the risks posed by cyber conflicts become more pervasive, increasingly more efforts are devoted to develop medium- and long-term plans to ensure stability of the cyber domain. Strategic cyber deterrence (SCD) is a crucial aspect to any plan for cyber stability, as proved by the interest of NATO and the UN, the EU, UK as well as US government in this topic. However, deploying conventional deterrence strategies, like retaliation, within the cyber domain proves to be a comprehensive challenge due to the global reach, the distributed and interconnected nature of the domain. For this reason, scholars, policy-makers, military experts, and international lawyers stress the urgent need to foster and coordinate analyses and expertise to identify the problems concerning SCD and develop adequate solutions to shape effective SCD and promote cyber stability.

### TOPICS

We solicit the submission of papers addressing:

- **The conceptual vacuum:** conventional deterrence has been modelled using game theory and with respect to kinetic conflicts, especially nuclear conflicts, hence considering specific scenarios, enemies, and types of threats. Applying these models to SCD is proving to be challenging and poses the need for new conceptual frameworks for SCD.

- **The regulatory gap:** strategic deterrence must be deployed in accordance with (i) just war theory, (ii) human rights, and (iii) international humanitarian laws. Given the novelty of SCD and the conceptual vacuum surrounding it, applying (i)-(iii) to the case SCD poses complex problems exacerbated by issues concerning Internet governance, state sovereignty, political, and diplomatic relations.

Topics of special interest include: the definition of conceptual frameworks for SCD; ethical principles to shape deterrence in the cyber domain; applicability of conventional deterrence theory to the case of SCD; game theory and rational choice analyses to model SCD; attribution and proportionality in SCD; impact of SCD on international stability.

#### TIMETABLE

September 30, 2016: Deadline for paper submissions

November 30, 2016: Deadline revised papers

2017: Publication of the special issue

#### SUBMISSION DETAILS

To submit a paper for this special issue, authors should go to the journal's Editorial Manager <http://www.editorialmanager.com/phte/>

The author (or a corresponding author for each submission in case of co-authored papers) must register into EM.

The author must then select the special article type: "LANDSCAPING STRATEGIC CYBER DETERRENCE" from the selection provided in the submission process. This is needed in order to assign the submissions to the Guest Editor.

Submissions will then be assessed according to the following procedure:

New Submission => Journal Editorial Office => Guest Editor(s) => Reviewers => Reviewers' Recommendations => Guest Editor(s)' Recommendation => Editor-in-Chief's Final Decision => Author Notification of the Decision.

The process will be reiterated in case of requests for revisions.

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