

# IPSI SmartData International Symposium

Privacy meets Evolutionary Robotics: Protecting our Freedoms with Virtual Tools  
May 14-16, 2012 University of Toronto, Canada

**CALL FOR PAPERS**

**SUBMISSION DEADLINE FOR ABSTRACTS IS  
MARCH 1, 2012, 11:59PM**

The Identity, Privacy and Security Institute at the University of Toronto are announcing a Call For Papers at the first IPSI SmartData International Symposium.

SmartData is a vision to create Internet-based virtual agents which will act as an individual's online proxy to securely store their personal information and disclose it based upon the context of the data request and instructions authorized by the data subject. The development model we have proposed for this project is based upon evolutionary computation and embodied cognition, within a dynamical systems framework. As such, our methodology will depend on the evolution of agents, embodied in an interactive and modifiable virtual environment.

One of the criteria required to achieve this vision is the ability of an artificial agent to recognize requests for information within a given context. It is the pursuit of this particular criteria, our primary objective, which will be addressed during the Symposium. Though the initial application of these agents is intended to be data protection, we note that the development of SmartData would create a platform technology capable of solving a broad range of problems in the general field of cognitive science.

## Speakers:

- Dr. Inman Harvey, University of Sussex
- Dr. Enrique Pujals, Associacao Instituto Nacional de Matematica Pura e Aplicada (Brazil)
- Dr. Dario Floreano, Ecole Polytechnique Federale de Lausanne (EPFL - Switzerland)
- Dr. Stefano Nolfi, Italian National Research Council (CNR - Italy)
- Dr. Michael Wheeler, University of Stirling
- Dr. Ann Cavoukian, Information and Privacy Commissioner of Ontario, Canada
- ... and many others

**Identity, Privacy and Security Institute (IPSI) SmartData International Symposium**

**Date** May 14-16, 2012

**Location** University of Toronto - Toronto, Ontario, Canada

**Sponsor** The University of Toronto  
Connaught Fund

**Website** <http://www.ipsi.utoronto.ca/sdis>

This Symposium will prominently feature a series of Poster Sessions. As such, we are asking you to help advance the development of SmartData (or understanding of the challenges associated therewith). Papers are not expected to encompass all areas of SmartData research; the goal of the Symposium is to bring together knowledge from numerous fields to form the foundation of a new field of study. Selected papers will be presented as posters at the Symposium, and collected for publication afterwards.

## Topics:

- Cognitive Science
- Evolutionary Robotics
- Non-linear dynamical systems
- Intelligent Agents/Machine Learning
- Virtual Worlds/Avatars
- Reconfigurable Computers, Software/Hardware Optimization
- ... and any other topic or application that will advance the development of SmartData

## Key Details:

### Submission Requirements

1000-word abstract

### Submission Deadline

March 1, 2012, 11:59pm (EST)

### Notification of Selection

April 1, 2012

### Email for Paper Submission

[symposium@ipsi.utoronto.ca](mailto:symposium@ipsi.utoronto.ca)

For additional information about SmartData, the Symposium, or the full Call for Papers, please visit <http://www.ipsi.utoronto.ca/sdis>



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