Theme and Scope:
With proliferation of computing in virtually every aspect of modern society (i.e., smart grid, robotic surgery systems, smart phones, etc), trusting software behavior goes with much more profound side effects beyond mere malfunctioning of the system. Trustworthiness of software behavior that controls such critical systems and devices is an essential aspect we need to measure, evaluate and establish. With bugs and intentional compromises through the process of software design, development, deployment and use, software behavior trustworthiness is shaky in terms of empirical basis as well as in terms of theoretical basis.

This special section in a forthcoming issue of the Future Generation Computer System (FGCS) journal is to put together the current state-of-the art in measuring, evaluating and fostering trustworthiness for software behavior in diverse contexts of modern and future computing environment. Original technical articles are solicited in all aspects of Trusting Software Behavior. Topics for this special section include, but are not limited to:

- Definitions of and measures for software trustworthiness
- Approaches on evaluation of software trustworthiness
- Techniques and software tools to enhance software trustworthiness
- Trust management
- Architecture support for enhancing software trustworthiness
- Case studies performed on industrial systems

All submissions, managed by the Elsevier submission system (http://ees.elsevier.com/fgcs/), will go through rigorous but expedited review process required by the FGCS journal. The Elsevier submission system will start taking the submissions for this special section from August 30, 2010 (until October 31, 2010).

Important Dates:(Due date has been extended!)
- Paper submission due by October 31, 2010
- Acceptance/Revision notification to authors by Jan. 15, 2011
- Final manuscript due by Feb. 15, 2011
- Publication Schedule (tentative) in 3rd Quarter 2011.

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