Call for articles for "Computer"
Computer seeks articles for an April 2009
Theme on 'Interoperable Identity-Management Systems'

Today, broadband access contributes to the sustained development of service-oriented economies. Opportunistic, automated transactions require accurate and trustworthy exchange of information about the parties, while personal information is used to commit to legally binding transactions and to permit customized service offerings. The use of personally identifiable attributes constituting digital identity is becoming an integral part of B2B and B2C processes and of many online social activities.

The guest editors solicit papers that address practical concerns, explore leading-edge engineering advances, envision shifts in computing paradigms in the area of interoperable IdM systems, and investigate expected social impacts.

[Submission Due]
Paper submissions are due by 15 September.

[Submission Instructions]
Complete submission instructions are available at
www.computer.org/portal/pages/computer/content/author.html

[Inquiry]
Direct inquiries to guest editors:
Piotr Pacyna, pacyna_at_kt.agh.edu.pl
Anthony Rutkowski, trutkowski_at_verisign.com
Amardeo Sarma, sarma_at_netlab.nec.de
Kenji Takahashi, takahashi.kenji_at_lab.ntt.co.jp

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This Special Issue on Interoperable Identity Management Systems aims to investigate prospective options for reliable and secure creation, storage, sharing and use of personally identifiable information pertaining to digital identity across administrative domains, with special focus on interoperability of systems.

In the call we are soliciting original, state-of-the-art, previously unpublished and not submitted elsewhere papers on the following topics:

* Next-steps in digital identity
* Critical aspects towards global, interoperable IdM frameworks and systems
* Business and social opportunities of federated digital identity
* New security objectives for next-generation IdM systems
* Argumentation for and against the identity-layer and identity-services
* Interworking of data models for exchange of identity related information
* Threats and inhibitors for interoperable IdM systems
* Integration of the fragmented space of identity management
* Interworking and convergence of identifier space(s)
* Reliable, secure and privacy-respecting means for creation, storage and exchange of user attributes.
* Assertions of identity across IdM system boundaries
* Identity provisioning/governance and usability issues
* Approaches to privacy protection and controllable disclosure of personally-identifiable data
* Trusted exchange and authoritative verification of identity assertions
* Protection against tractability, correlation, linkage and mis-use of user attributes
* Public policy and regulations related to IdM (non country-specific),
* Rights and obligations of parties and their enforcement,
* Resolution and discovery of identity providers,
* Discovery policy enabling schemes, strategies, practices for the federated IdM systems
* Identity management in the network infrastructure of the Internet
* Best practices from use cases
* Fundamental limits and tradeoffs in performance.

The purpose of this Special Issue is to facilitate exchange of viewpoints on the evolution of Identity Management systems with focus on global interoperability. We solicit papers of general interest that promote practical aspects, engineering advances on the horizon, envision shifts in computing paradigms in the area of interoperable IdM systems and the expected social impact.