INVITED TALK

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THE POLICY-AWARE WEB MEETS VIRTUAL GOODS

1. Abstract

The Policy-Aware Web is the promise for supporting policy management at the Web infrastructure level. A policy is any set of rules or statements that capture and express the requirements of individuals and organizations from a corporate, legal, best practices, and/or social perspective. Currently, policy languages exist that cover and broadly address the privacy, access control, and obligation management areas. However, what is missing is an overall framework and architecture for these policy languages to interoperate and provide an accountable, enforceable, flexible and trusted experience for the web community. This talk will review the technology challenges that face the Policy-Aware Web, the current policy specifications and the supporting standards and the road forward towards enhanced web architecture. The goal is to provide a balance between creators, distributors, and consumers of digital goods by providing an open and transparent framework to transact and exchange digital items over the policy-savvy web.

2. Biography

Dr. Renato Iannella, Principal Scientist, National ICT Australia (NICTA).

Renato is the Principal Scientist at the National ICT Australia (NICTA) research institute. His research covers technologies and standards in information engineering, rights management, and policy-based web infrastructures. Renato has extensive experience in the development of Internet, Web, and Mobile technologies and standards and was a former member of the World Wide Web Consortium (W3C) Advisory Board and co-chairs the W3C Policy Languages Interest Group. Renato also is an Adjunct Associate Professor at the University of Queensland, Visiting Associate Professor at the University of Hong Kong and was previously the Chief Scientist at Live Events Wireless, IPR Systems and Principal Research Scientist at the Distributed Systems Technology Centre (DSTC).

Renato has had extensive experience with the standardization of technologies at the international and national levels. He has held key positions on the World-Wide Web Consortium (W3C) Advisory Board and has participated in numerous W3C Working Groups on Metadata, RDF, XML, and Addressing and co-chaired W3C Workshops, Interest Groups and Incubator Groups. He is skilled in the process and governance procedures of standards bodies. Renato is currently active in a number of W3C, OASIS and Open Geospatial Consortium working groups. Renato is the original developer of the Open Digital Rights Language (ODRL) and convenes the international ODRL Initiative. ODRL is the world standard ratified by the Open Mobile Alliance (OMA) for mobile DRM content services. Renato was pivotal in the establishment and uptake of the Dublin Core Metadata Initiative (DCMI) in Australia and authored the Federal Government's AGLS Metadata specification and participates on many National and International content Working Groups. Renato was also a member of the IMS Global Learning Consortium, the OpenEbook Forum, and MPEG standards groups.