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Job title: Semantic Architect

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Abstract:

Title: Shout It Out: LOUD

The introduction of the Semantic Web, built on RDF and standards-based, graph-centric technologies, led to a significant shift in the way we think about data. But thinking isn't enough.

The introduction of Linked Open Data, with its five stars of excellence, led to a significant shift in the way we use the web to publish data. But just publishing isn't enough either.

We are entering the next phase, caused by recognizing that the key missing ingredient is usability of the data by consuming applications. We are moving rapidly towards Linked Open Usable Data. If the data is not usable or developer friendly, then there will not be applications built that use it. If there is no use, there is no value to the resources invested in its creation, publication and improvement.

This keynote will discuss some of the critical technology advancements and adopted best practices that have moved us closer to the goal line; from JSON-LD and schema.org, through IIF and more recently linked.art. The presentation will contrast both processes and products, with an emphasis on adoption of standards to the benefit of the community. By learning from both successes and failures of technologies and communities, we can better

enable the sustainable, decentralized delivery and discovery of culturally significant data and content. To be successful in the missions of our organizations, we must take up the banner of usable data and get LOUD.

Bio:

Dr. Robert Sanderson is the Semantic Architect for the J Paul Getty Trust, with responsibility for the design and direction of cultural heritage data information systems spanning the Museum, Research Institute, Conservation Institute and Foundation. His main goal is to find the right balance between ease of publication and consumption of data, and the precision of the data's semantics. Ongoing projects include the publication of the Museum and Research collections via IIIF (iiif.io) and Linked Open Data, with the model and process being documented at <https://linked.art/>. He is chair of the JSON-LD work in the W3C and proposed chair for the W3C Art & Culture community group, is a specification editor and community leader in the IIIF community (<http://iiif.io/>), and on the advisory boards of many projects in the cultural sector including the American Art Collaborative and Annotating All Knowledge projects. In his previous position as Standards Advocate at Stanford University, he was involved in the BibFrame ontology with the Library of Congress and many semantic digital library projects. He has also been a Research Scientist at Los Alamos National Laboratory, and a lecturer in Computer Science at the University of Liverpool.