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Meeting Information

When:
12 - 16 February 2015
Where:
Where: San Jose, CA

Visualization Insights from Big Data: Envisioning Science, Engineering, and Innovation

Friday, 13 February 2015: 8:00 AM-9:30 AM
Room LL20D (San Jose Convention Center)

Advanced data mining and visualization techniques can be used to extract patterns and trends from large and complex datasets. Resulting visualizations help manage, navigate, and understand vast amounts of information; support new discoveries and questions; and are a great tool to communicate science to a general audience. This interdisciplinary session brings together experts from chemistry, engineering, science policy, and art to showcase visual solutions that are instrumental in achieving high return on investment; science mapmakers who use visual analytics to identify emerging areas of research and innovation, calculate the impact of science policy interventions, and predict science and technology trends; and visual techniques that render the abstract into the concrete using computer graphics and cinematic approaches. This session will be extremely visual to highlight novel information mining and imaging techniques that enhance understanding and improve daily decision-making.

Organizer: *Katy Borner, Indiana University*

Co-Organizer: *Joseph E. Sabol, Chemical Consultant*

Speakers:

Alan Aspuru-Guzik, *Harvard University*
Billions and Billions of Molecules: Exploring Chemical Space for New Energy Materials

Kei Koizumi, *U.S. Office of Science and Technology Policy*
Utilizing Visual Insights in Science and Technology Policymaking

Donna Cox, *National Center for Supercomputing Applications*
The Art of Visualizing Big Data

See more of: Information and Data Technology
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