

Science Gateways and the Science Gateways Community Institute (SGCI) with Dr. Sandra Gesing

Tuesday October 30 – 1 – 3pm – TUC 400B

FREE REGISTRATION – Bring a Laptop for Hands-on Portion

Science Gateways - also called virtual research environments or virtual labs - allow science and engineering communities to access shared data, software, computing services, instruments and other resources specific to their disciplines and use them also in teaching environments. The U.S.

Science Gateways Community Institute (SGCI) provides free resources, services, experts, and ideas for creating and sustaining science gateways.

Science Gateways Presentation On Usability With Hands-On Portion

Usability is a major driver for creating science gateways so that researchers applying computational methods can focus on their specific research question instead of becoming acquainted with technical details of the complex computational infrastructure. The presentation will give a brief introduction to usability of computational tools and science gateways. **A hands-on exercise** will elucidate how easy and rapid usability tests can be performed by anyone to improve the user experience of a computational method.



Dr. Gesing is a research assistant professor at the Department of Computer Science and Engineering and a computational scientist at the Center for Research Computing at the University of Notre Dame. Prior, she was a research associate in the Data-Intensive Research Group at the University of Edinburgh, UK, in the area of data-intensive workflows and in the Applied Bioinformatics Group at the University of Tübingen, Germany, in the area of science gateways and grid computing. Her research interests include **science gateways, computational workflows, distributed and parallel computing**. <http://sandra-gesing.com/>

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