

WANDS'10



CALL FOR PARTICIPATION

1st International Workshop on Workflow Approaches to New Data-centric Science

Held in conjunction with SIGMOD 2010

June 6, 2010, Indianapolis, IN, USA

Workshop web site:

<http://wands2010.doc.ic.ac.uk>

Registration website (SIGMOD):

<https://regmaster3.com/2010conf/MOD10/register.php>

A number of innovative, but uncoordinated, efforts in data-centric workflows have made their mark on the scientific and business world in recent years. The goal of this workshop is to use these efforts to bring together a research community around the theoretical foundations, technology development, and domain applications of workflow systems. As a first postulate, we take that there is no uniform workflow solution, in the same way that there is no uniform programming language. Furthermore, our goal is not to promote a particular technology, or even interoperability between individual technologies. What we intend to achieve is to present, discuss and ultimately better the different computational models, usability patterns, and domain approaches used in the field.

This year's program includes six research talks, a project report, and two keynotes: by Prof. Bertam Ludaescher from UC Davis and Prof. Tova Milo, from Tel Aviv University. We are looking forward to seeing you there and having an exciting day!

Program Chairs:

Paolo Missier, pmissier@cs.man.ac.uk

Vasa Curcin, vasa.curcin@imperial.ac.uk

Susan Davidson, susan@seas.upenn.edu

Supported in part by:



PRELIMINARY PROGRAM

8.30am – 10.00am Opening and First Keynote

- **Keynote: Scientific Workflows and Data Management: The Need for a New Synthesis** Bertram Ludaescher, University of California, Davis:
- Open Workflow Infrastructure: A Research Agenda, Vlado Stankovski, Paolo Missier, Carole Goble and Ian Taylor

10.00am – 10.30am Coffee break

10.30am – 12.00pm Paper session

- Exploring Repositories of Scientific Workflows, Julia Stoyanovich, Ben Taskar and Susan Davidson
- Privacy Issues in Scientific Workflow Provenance, Susan Davidson, Sanjeev Khanna, Sudeepa Roy and Sarah Cohen Boulakia.
- DFL designer - collection-oriented scientific workflows with Petri nets and nested relational calculus, Jacek Sroka, Piotr Wlodarczyk, Lukasz Krupa and Jan Hidders.

12.00pm – 1.30pm Lunch

1.30pm – 3.00pm Paper session

- A Multi-Dimensional Classification Model for Scientific Workflow Characteristics, Lavanya Ramakrishnan and Beth Plale.
- A General Approach to Data-Intensive Computing using the Meandre Component-Based Framework, Bernie Ács, Xavier Llorà, Loretta Auvil, Boris Capitanu, David Tcheng, Mike Haberman, Limin Dong, Tim Wentling and Michael Welge.
- Meta-Workflows: Pattern-based Interoperability between Galaxy and Taverna, Mohamed Abouelhoda, Shady Alaa and Moustafa Ghanem.

3.00pm – 3.30pm Coffee break

3.30pm – 5.00pm Invited talks and discussion

- **Workshop Report: The DCW 2009 NSF Workshop on Data-Centric Workflows** Jianwen Su, UCSB, USA and Rick Hull, IBM, USA:
- **Keynote: Querying Past and Future in Workflow Systems** Tova Milo, University of Tel Aviv