

Workshop on Service Oriented Technologies for Biological Databases and Tools (SOTBDT)

Friday, July 13th, Room A

Session I: 10-11:30 a.m. - Opening Session

Chair: Sushil K. Prasad, Georgia State University

- **Keynote: Application of Software Development Methods for Biological and Scientific Research**

Calton Pu, Professor and John P. Imlay, Jr. Chair in Software, *College of Computing and CERCS, Georgia Institute of Technology*

- Analysis of a Scientific Protocol: Selecting Suitable Resources
Zoé Lacroix, Christophe Legendre, and Louiqa Raschid

Lunch Break: 11:30-12:30

Session II: 12:30-2:00 p.m. - Ontologies and Federated Applications

Chair: Shamkant Navathe, Georgia Tech

- Development of NeuronBank: A Federation of Customizable Knowledge Bases of Neural Circuitry
Robert Calin-Jageman, Akshaye Dhawan, Hong Yang, Hsiu-Chung Wang, Hao Tian, Piyaphol Phoungphol Chad Frederick, Janaka Balasooriya, Yan Chen, Sushil K. Prasad, Raj Sunderraman, Ying Zhu, and Paul Katz
- XOA: Web-Enabled Cross-Ontological Analytics
Roderick (Rick) Riensche, Bob Baddeley, Antonio Sanfilippo, and Christian Posse
- Bioinformatics Services Discovery Using Ontology Classification
Hervé Ménager, Zoé Lacroix, and Pierre Tufféry

PM Break: 2:00-2:15

Session III: 2:15-3:45p.m. – Analysis, Text Mining and Visualization

Chair: Sushil K. Prasad, Georgia State University

- Data-aware SOA for Gene Expression Analysis Processes
Dirk Habich, Sebastian Richly, Wolfgang Lehner, Uwe Assmann, Mike Grasselt, Albert Maier, and Christian Pilarsky
- Information Infrastructure for Text Mining of the Primary Scientific Literature: Principles and Practice
Gully Burns, Donghui Feng, Tommy Ingulfsen, and Eduard Hovy
- Bluejay: A Highly Scalable and Integrative Visual Environment for Genome Exploration
Jung Soh, Paul Gordon, Andrew Ah-Seng, Andrei Turinsky, Morgan Taschuk, Krzysztof Borowski, and Christoph Sensen

PM Coffee Break: 3:45-4:00

Session IV: 4:00-5:00 p.m. Panel Session

Panel Theme: Future directions for service oriented technologies to biological databases and tools

Moderator: *Shamkant Navathe, Professor and Head, Database Research Group, College of Computing, Georgia Institute of Technology*

Panelists: To be assigned