Plenary Panel 1

The Arc of Research Activity in Key Areas of Services Computing

Moderators:
John Miller, University of Georgia USA
Hong Zhu, Oxford Brookes University, UK

Panelists:
Elisa Bertino, Purdue University, USA
Ling Liu, Georgia Tech, USA
Manish Parashar, Rutgers University, USA

Outline

- ICWS 2015 Research Areas
- Challenges
- Four Highlighted Areas
- Panelists' Views
- Questions and Answers

ICWS 2015 Research Areas

- Services Discovery and Recommendation
- Services Composition
- Services QoS Management
- Services Security and Privacy
- Services Applications beyond Web
- Semantic Services
- Service Oriented Software Engineering

Challenges

- Since the publication of WSDL 1.1 in March 2001, Web service technology has exploded
- ICWS began in 2003
- Google Scholar list 52,600 research papers with “Web Services” in the title
- Last year's panel mentioned the seventh inning stretch (IEEE TSC's 7th year), a time to rethink
- Has research activity peaked?
- What are the new research opportunities in the broader area of “services computing”?

Highlighted Research Areas

- Services Security and Privacy
  - Elisa Bertino, Purdue University
  - Research Director at CERIAS
  - Making services more secure and trusted
- Services Applications beyond Web
  - Ling Liu, Georgia Tech
  - Director of the Data Intensive Systems Lab
  - Services computing from a cloud and big data perspective

Highlighted Research Areas

- Services Composition
  - Manish Parashar, Rutgers University
  - Director of the Rutgers Discovery Informatics Institute
  - Challenges in large-scale service composition
- Service Oriented Software Engineering
  - Hong Zhu, Oxford Brookes University
  - Chair of the Applied Formal Methods Research Group
  - Opportunities in software engineering focused on services computing

Questions and Answers

Q & A