

Web Service Challenge 2009

Performance Results

- **1. Place:** Chinese Academy of Sciences, Beijing, China
Effective Pruning Algorithm for QoS-Aware Service Composition
Zhenqiu Huang, Wei Jiang, Songlin Hu, and ZhiYong Liu
- **2. Place:** Tsinghua University, Beijing, China
A QoS-Driven Approach for Semantic Service Composition
Yixin Yan, Bin Xu, Zhifeng Gu, and Sen Luo
- **3. Place:** Slovak University of Technology in Bratislava, Slovakia
Semantic Web Service Composition Framework Based on Parallel Processing
Peter Bartalos and Maria Bielikova
- **4. Place:** University of Groningen, Netherlands
Optimal QoS-Aware Web Service Composition
Marco Aiello, Elie el Khoury, Alexander Lazovik, and Patrick Ratelband

- The scoreboard is on the next page. -

Architecture Awards

- **1. Place:** Slovak University of Technology in Bratislava, Slovakia
Semantic Web Service Composition Framework Based on Parallel Processing
Peter Bartalos and Maria Bielikova
- **2. Place:** University of Groningen, Netherlands
Optimal QoS-Aware Web Service Composition
Marco Aiello, Elie el Khoury, Alexander Lazovik, and Patrick Ratelband
- **3. Place:** Sungkyunkwan University, Seoul, South Korea and General Motors
WSPR*: Web-Service Planner Augmented with A* Algorithm
Seog-Chan Oh, Ju-Yeon Lee, Seon-Hwa Cheong, Soo-Min Lim, Min-Woo Kim, Sang-Seok Lee,
and Jin-Bum Park
- **3. Place:** University of California, Irvine, USA
Business Process Composition with QoS Optimization
Jing Zhang, Mark Panahi, Weiran Nie, Yichin Chang, and Kwei-Jay Lin

Performance Scoreboard

	1. Place		2. Place		3. Place		4. Place	
	Result	Points	Result	Points	Result	Points	Result	Points
<u>Challenge Set 1</u>								
Lowest Response Time	500	+6	500	+6	780		880	
Highest Throughput	15000	+6	15000	+6	15000	+6	15000	+6
Composition Time (ms)	< 300	+6	< 300	+6	< 300	+6	531	
<u>Challenge Set 2</u>								
Lowest Response Time	1690	+6	1690	+6	2010		2110	
Highest Throughput	6000	+6	6000	+6	6000	+6	6000	+6
Composition Time (ms)	< 300	+6	< 300	+6	< 300	+6	2219	
<u>Challenge Set 3</u>								
Lowest Response Time	760	+6	760	+6	760	+6	950	
Highest Throughput	4000	+6	4000	+6	4000	+6	4000	+6
Composition Time (ms)	< 300	+6	< 300	+6	< 300	+6	21438	
<u>Challenge Set 4</u>								
Lowest Response Time	1470	+6	1470	+6	2070			
Highest Throughput	4000	+6	2000		4000	+6		
Composition Time (ms)	< 300	+6	< 300	+6	< 300	+6		
<u>Challenge Set 5</u>								
Lowest Response Time	4070	+6	4070	+6	4500			
Highest Throughput	4000	+6	4000	+6	4000	+6		
Composition Time (ms)	< 300	+6	938	+2	< 300	+6		
Sum	<u>90 Points</u>		<u>80 Points</u>		<u>66 Points</u>		<u>18 Points</u>	

Table 1: Web Service Challenge 2009 Score Board