The First International Workshop on Distributed Event Processing, Systems and Applications (DEPSA’07)

MESSAGE FROM DEPSA’07 CHAIRS

An increasing number of applications today are based on consuming, processing, and producing data streams that take the form of time ordered series of events. Many of these applications, such as e-business process management, systems and network monitoring, financial analysis, and security surveillance, need to handle large volumes of events and produce results with low-latency. This new paradigm of distributed computing and data processing, which is based on event flows and event processing, has also created a vast number of new research problems in a wide area of topics, ranging from systems performance and scalability to programming models and language support to applications in real-time data mining.

In light of these developments, DEPSA 2007 brought together researchers and practitioners from academia and industry to look at various aspects of complex event processing systems and applications, with the ultimate goal of evolving and expanding the capabilities and improving the performance and ease of use of event processing systems, and broadening the application of such systems to real-world problems. All papers submitted for presentation at DEPSA 2007, and inclusion in this proceeding, went through a rigorous review process. Each paper was evaluated by at least three reviewers. As a result of this, this year our program contains eight high-quality research papers. Main research themes of accepted papers range from gossip protocols to publish subscribe systems to service oriented architecture. Our program also includes a very timely and interesting keynote talk from Dr. Opher Etzion, titled “Event Processing – An Architecture View”.

We want to thank all authors who submitted papers for review. We also want to give our special thanks to the reviewers, whose effort and hard work reflect their commitment and dedication to the success of DEPSA 2007.

Workshop Chair, Calton Pu
PC Co-Chairs, Bugra Gedik and Lakshmish Ramaswamy