ARTES Travel Report
First international Workshop on Event-driven Architecture, Processing and Systems (EDA-PS 06)
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Introduction
The first international workshop on Event-driven Architecture, Processing and Systems were held in Chicago 18 September 2006. My paper “Detecting design errors in composite events for event triggered real-time systems using timed automata” was accepted for publication and I was asked to have a 20 minutes presentation of the content of the paper in the workshop.

Workshop
The workshop contained presentations of papers as well as panel discussions and a poster session. People both interested in event-stream processing (ESP) and complex event processing (CEP) attended the workshop. The areas of ESP and CEP are related and the exact difference between the areas is still under debate. In short, much of the research going on in these areas is about processing and reacting to event streams as fast as possible as well as to combine event occurrences in a way that enables high-level knowledge to be extracted from the low-level event stream.

My contribution to the workshop is within the area of CEP. CEP can be used for building and managing information systems such as event-driven architectures, business monitoring and different kinds of middleware. The goal of CEP is to extract information coming from low-level events to higher level knowledge. Based on information carried by the events in form of parameters and information about the order and timing in which the events occurred, higher level knowledge is extracted and can be acted upon in time.

The techniques included in CEP are, for example, detection of complex event occurrences, event streams processing, event hierarchies, and relationships between events such as causality.

Conclusion
The main goal for my trip to Chicago was to attend the workshop, present my paper and hopefully meet interesting people. My impression was that the audience of the workshop seemed very interested about my work and I got a lot of questions and valuable feedback. Additionally, I met people who were interested in cooperation in some form. In short, I got a lot of feedback from my trip and invaluable new contacts.