

Data Streams and Event Processing (DSEP)

The processing of continuous data sources has become an important paradigm of modern data processing and management, covering many applications and domains such as monitoring and controlling networks or complex production system as well complex event processing in medicine, finance or compliance.

The goal of the workshop is to attract both academic and industrial contributions to foster the exchange of ideas and a discussion about the state of the art and future directions. In particular, the following topics are of interest to this workshop:

- Data streams
- Event processing
- Case Studies and Real-Life Usage
- Foundations
 - Semantics of Stream Models and Languages
 - Maintenance and Life Cycle
 - Metadata
 - Optimization
- Applications and Models
 - Statistical and Probabilistic Approaches
 - Quality of Service
 - Stream Mining
 - Provenance
- Platforms for event and stream processing, in particular
 - CEP Engines
 - DSMS
 - "Conventional" DBMS
 - Main memory databases
 - Sensor Networks
- Scalability
 - Hardware acceleration (GPU, FPGA, ...)
 - Cloud Computing
- Standardisation

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