

1st ACM International Workshop on Events in Multimedia (EiMM09)

<http://www.uni-koblenz.de/confsec/eimm09/>

held in conjunction with
ACM Multimedia, October 19-24, 2009, Beijing, China

Important Dates

*** DEADLINE EXTENDED UNTIL JULY 5th ***

*** Submission Site open: <http://www.edas.info/newPaper.php?c=7895&track=7575> ***

Notification of acceptance: July 17th, 2009

Camera ready papers: July 24th, 2009

Workshop at ACM Multimedia¹: October 23rd, 2009

Workshop Description

Humans think in terms of events and entities. Events provide a natural abstraction of happenings in the real world. The concept of events has a long history in foundational sciences such as philosophy and linguistics. After first developing objects-based and entity-based approaches, computer science research is now addressing the concept of events and building many applications that consider events at least as important as objects. Consequently, we find many different solutions and approaches for modeling, detecting, and processing events. In addition, we find different applications that are based on events and make use of events.

Conferences and workshops on events in computer science typically deal with the capturing, processing, and management of low-level events such as publish/subscribe-approaches, middleware-based architectures, complex event processing, and event stream processing. Although this work is very essential for an efficient execution of the applications build on top of such approaches, the understanding of the concept of events is disconnected from the domain-level of events that the actual users of such applications have to deal with. However, considering multimedia data, its semantics is naturally closely tied to the event(s) it documents.

The workshop focuses on how to detect, model, and process domain-level events and applications that make use of domain-level events in the context of multimedia data. We aim at bringing together researchers from the different fields that are interested in understanding the concept of events on domain-level. We invite original work in the areas of domain event modeling, detection of events from multimedia data, processing of events, organization of multimedia data using events as unifying mechanism, and applications of these techniques. The submissions should explicitly explain how they deal with the events of the considered domain and what kind of benefit is provided to the users by using events.

¹ <http://www.acmmm09.org/>

Example application areas for events are multimedia-based experience sharing, lifelogs, emergency response, cultural heritage, news, surveillance, and others.

The participants of the workshop will gain an insight into the current state-of-the-art of computer science research on domain-level events. They will get concrete examples of how events can be leveraged for human-centered research and how it can be detected, processed, modeled, and used for creating human-centered applications. They will also have the opportunity to discuss their approach with other researchers from the multimedia community in the hands-on part of the workshop.

Topics

Research topics of interest for this workshop include, but are not limited to:

- Event Detection and Processing in Multimedia Data
 - Recognition of events from large scale, unreliable and/or noisy media data and media streams
 - Event clustering towards domain level-events
 - Combining low-level events with domain-level events
- Event Representation and Event Models
 - Modeling of events on domain-level
 - Ontology-based representation of events
 - Languages for events
 - Formal modeling of events, activities, accomplishments, achievements, context, and other related concepts
 - Reasoning with events under consideration of causality, uncertainty, similarity, and others
 - Semantic description and annotation for events and event sources
- Events in the Context of Web 2.0
 - Collaborative event creation and sharing
 - Events in social networks
 - Event syndication (e.g., RSS) and attention management
- Architectures for Event Management
 - Middleware solutions for event management
 - Event-driven architectures
 - Experimental methodologies
 - Domain-specific solutions for event management such as for emergency response
- Applications and Tools
 - Event-based applications and tools
 - Authoring of events
 - Events in mobile computing and ubiquitous computing
 - Applications that show benefits of using events in practical settings
 - User experience, requirements, use cases, and evaluations of event-based applications

Paper Submission, Review, and Publication

Submissions for the workshop must follow the standard style guidelines of the ACM Multimedia² conference. They shall be submitted in PDF format and not be longer than 8 pages. Papers will be submitted using the EDAS system³ of ACM Multimedia. In submitting a manuscript to this workshop, the authors acknowledge that no paper substantially similar in content has been submitted to another workshop, conference, or journal.

All submitted papers will undergo a double-blind peer review process. At least three reviewers from the PC members and external reviewers will evaluate the originality, significance, clarity, soundness, relevance, and technical contents of the submitted manuscripts.

Accepted papers will be published in the workshop proceedings together with the proceedings of the ACM Multimedia 2009 conference. Based on the quality of the manuscripts, selected papers will be invited to submit to a special issue of a top journal in the multimedia area (tbd).

Workshop Program and Registration

t.b.a.

Program Committee

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² <http://www.acm.org/sigs/publications/proceedings-templates>

³ <http://www.edas.info/newPaper.php?c=7895&track=7575>

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