

**FIRST INTERNATIONAL WORKSHOP ON LIGHTWEIGHT INTEGRATION ON THE WEB
(COMPOSABLEWEB'09)**

Workshop held in conjunction with ICWE 2009
24-26 June 2009, San Sebastian, Spain

Workshop website: <http://mashart.org/composableweb2009>

IMPORTANT DATES (new!)

April 18, 2009: Paper submission
May 11, 2009: Author notification
June 1, 2009: Camera-ready submission

WORKSHOP RATIONALE AND AIMS

Information integration, application integration and component-based software development have been among the most important research areas for decades. The last years in this area have been characterized by a particular focus on Web services, the very recent years by the advent of Web mashups, a new and user-centric form of integration on the Web. Especially with the advent of mashup tools, the mashup phenomenon has become popular even under Web users with only little programming skills.

However, mashups are still characterized by a lack of agreed-upon reference models, development processes and methodologies, architectures, execution platforms, analysis techniques, and so on. Yet, the involvement of Web users into the development of composite Web applications demands for a high degree of assistance and intelligible concepts, and results in new (social) development practices which on their turn may require new software support.

In this context, several challenging research issues are emerging, such as:

- Reusable components: Expressive component models for data, application logic, and user interface components, as well as suitable description languages and discovery and selection facilities (e.g. registries and protocols) are needed.
- Simple, "user-oriented" (lightweight) composition languages: Easy-to-learn yet expressive execution languages are required, which enable the plug-in style development of composite applications.
- Graphical composition tools: Composition languages should be equipped with suitable graphical modeling formalisms that hide the actual composition language and allow for computer-aided development environments.
- Suitable execution platforms: Ready mashup applications require proper execution support (e.g. an interpreter or parser). We expect such support to be provided through online hosting and execution platforms.
- Design aimed at interoperability: Ideally, components and mashups should be interoperable, meaning that they have cross-platform reusability. Mashup-specific standards might be necessary.

ComposableWeb wants to challenge the Web Engineering community with these new research issues and to stimulate the discussion of key issues, approaches, open problems, innovative applications, and trends in these and related research areas, so as to identify technologies, solutions, instruments and methodologies effectively supporting the lightweight integration/composition of Web applications.

TOPICS OF INTEREST

Areas of particular interest for the Workshop include (but are not limited to):

- Web/service mashups

- Web composition technologies for data, services, and user interfaces
- Web composition models and languages
- Graphical support for Web composition/mashups
- Lightweight data integration
- Lightweight application integration
- Lightweight UI integration (integration at the presentation level)
- Lightweight (semantic) metadata or knowledge integration
- Design methodologies with/without user involvement
- New development models
- User interface aspects of Web composition
- Context-aware and personalized Web composition/mashups
- Usability and Accessibility of composite Web applications
- Evaluation/quality of composite Web applications
- Case studies and industrial experiences

TARGET AUDIENCE

ComposableWeb aims at bringing together researchers and practitioners with different research interests and belonging to communities like Web Engineering, Service Engineering, Business Process Management, Databases, Semantic Web, Software Composition and Software Engineering.

PROCEEDINGS

Accepted papers will be published on the workshop Web site ahead of the workshop and as CEUR workshop proceedings after the workshop. For a paper to be published, at least one of its authors must register for the main conference and participate in the workshop.

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