

MPEC'05 St. Louis Missouri USA

Call for papers

2nd International Workshop on Models and Processes for the Evaluation of off-the-shelf Components (MPEC'05)

<http://www.lsi.upc.es/events/mpec>

21 May 2005

St. Louis, Missouri, USA

In conjunction with ICSE'05 – 27th IEEE Intl' Conference on Software Engineering

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Off-the-shelf software components (COTS, OSS, GOTS, etc.) play an increasingly important role in service-based software systems development. Successful development of this type of systems requires a unique set of activities to be performed, in particular the evaluation of components. This activity is one of the cornerstones in effectively using off-the-shelf components, due to the critical role it plays in the selection, implementation and cost modelling of components. The evaluation activity is becoming increasingly even more critical, due to the ever-growing number of off-the-shelf domains and products available, despite the inherent complexity associated with it. Therefore, models for representing the evaluation criteria and the evaluations themselves, as well as the processes to conduct the evaluation activity, are needed. After the successful celebration of the 1st MPEC workshop (<http://www.lsi.upc.es/events/mpec/mpec04>), held at ICSE'04, we aim at celebrating a second edition for consolidating results, examining open issues, identifying new topics, etc.

Topics

We welcome the submission of papers in all aspects of models and processes for off-the-shelf components, including the following (but are not limited to):

- Formal representation of evaluation criteria (ontologies, data models, ...).
- Definition and use of software quality models for representing quality criteria.
- Dealing with non-technical criteria (supplier characteristics, legal issues, ...).
- Requirements-driven vs. reusable off-the-shelf component evaluation.
- Off-the-shelf component evaluation maintainability (especially dealing with versions).
- Reusability of (parts of) evaluations.
- Off-the-shelf component evaluation data bases.
- Third-party organizations and their impact on business processes.
- Particularities of types of off-the-shelf component (COTS, OSS, GOTS, etc.)
- Certification of off-the-shelf components.
- COTS supplier involvement in the evaluation process.
- Definition, validation and examples of software metrics.
- Metrics definition processes and techniques (GQM, ...).
- Methods, processes and techniques involving off-the-shelf evaluation.
- Actors involved in the off-the-shelf components evaluation process.
- Impact of off-the-shelf components granularity, domain and organization type and size in the evaluation process.
- Case studies in off-the-shelf components evaluation.
- Tool-support for off-the-shelf components evaluation.

Types of contribution

Research papers, experience reports and tool-support descriptions should be original work, limited to 4 proceedings pages in ACM format. Acceptance criteria will be adequacy to the topics of the workshop, technical soundness and potential for generating discussion.

Position papers may not exceed 4 pages in ACM format. The aim of a position paper is to contribute a specific position to a research discussion. Position papers are judged on novelty, sensibility of the viewpoint, key insights, and relevant research results. Radical and unconventional ideas are welcomed.

All paper submissions will be refereed by the PC as well as by other authors. Authors are requested to present their accepted paper at the workshop.

Important dates

Papers due	21 February 2005
Papers acceptance notification	21 March 2005
Camera-ready papers due	1 April 2005