FLACOS 2011

Fifth Workshop on Formal Languages and Analysis of Contract-Oriented Software

Málaga (Spain), September 22-23, 2011

http://flacos2011.lcc.uma.es

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Location

FLACOS 2011 will take place in **Málaga**, Spain, September 22-23, 2011. It will be held at the premises of the **School of Informatics** of the **University of Málaga**.

The city of Malaga is located in Andalusia (southern Spain), in a privileged enclave. The municipality extends over an area of 398.25 square kms and its "de facto" urban population reaches the million inhabitants mark. The main environmental and geographical factors that have intervened in the city's evolution and development have been maritime influences, its location in two river valleys (the Guadalhorce and the Guadalmina), its relief and its climate.

How to get to Málaga

Málaga International Airport (AGP) is located only 12 kms from the downtown. It has three terminals and an ample and diversified commercial area. There are flights from AGP to all major US and European destinations. More info: **http://bit.ly/e5l8pp**

Important Dates

Abstract Submission Deadline: **April 15, 2011**
Paper Submission Deadline: ~~April 15, 2011~~ **April 29, 2011**
Notification of Acceptance: **June 3, 2011**
Final Version Due: **July 1, 2011**
Early Registration: **July 8, 2011**
Workshop: **September 22-23, 2011**

About FLACOS

The ability to negotiate contracts for a wide range of aspects and to provide services conforming to them is a most pressing need in service-oriented architectures. High-level models of contracts are making their way, but application developers are still left to their own devices when it comes to writing code that will comply with a contract. At the programming language level, contracts appear as separate concerns that cut across application logic, while analysis requires that contracts are abstracted from applications to become amenable to formal reasoning.

The aim of this workshop is to bring together researchers and practitioners working on language-based solutions to the above issues through formalization of contracts, design of appropriate abstraction mechanisms, and formal analysis of contract languages and software. Such languages include, but are not limited to SLA, BPEL, behavioral interfaces, deontic logic for services, social contracts (multi-agent systems), formalised legal contracts and other prescriptive formalisms.

Scope

Topics of the workshop include (but are not limited to):
- Formal languages for contracts
- Contract-oriented software development
- Formal analysis of contracts, including static analysis, run-time verification, and model checking techniques
- Contract synthesis
- Contract transformation and contract refinement
- Contract negotiation, discovery and monitoring

Submissions

Authors are invited to submit papers presenting their contributions in two different categories. Regular research papers will correspond to original unpublished work, and they must be at most 15 pages long. Work-in-progress and contributions previously submitted for formal publication elsewhere are also permitted with a limit of 8 pages.

The abstracts of all the accepted contributions will be available at the workshop, and accepted regular papers will be published in Electronic Proceedings in Theoretical Computer Science (EPTCS). After the workshop, selected papers will be published in a special issue of the Journal of Logic and Algebraic Programming (Elsevier), following the standard reviewing process of the journal.

Submissions must be formatted in EPTCS style, accessible at: **http://style.eptcs.org/** and they should be submitted in pdf format electronically via the web-based submission site **http://www.easychair.org/conferences/?conf=flacos2011**

Contac Information

- Conference Website: **http://flacos2011.lcc.uma.es**
- Follow us on twitter: **http://twitter.com/flacos2011**
- For any inquiries please contact the local organisers at: **info.flacos2011@lcc.uma.es** or the program chairs at: **flacos2011@lcc.uma.es**