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www.aosd.net

Call for Research Papers

The International Conference on Aspect-Oriented Software Development (AOSD) is the premier conference on software modularity that crosscuts traditional abstraction boundaries. AOSD brings together researchers and practitioners working on such software modularity in the fields of software engineering, programming languages, and software systems. AOSD welcomes cutting-edge research papers in all of these disciplines, ranging from foundational studies to industrial experience reports. Topics of interest include (but are not limited to):

software engineering
- software architectures
- software product lines
- aspects and modular reasoning
- evaluation and metrics for aspect systems
- requirements
- testing and verification
- life-cycle integration and traceability

programming languages
- formal semantics and type systems
- concepts for modular reasoning
- expressive pointcut languages
- aspect composition and interference
- domain-specific aspect languages
- compilation and static program analysis
- execution environments and JIT optimisations

connection to related concepts and paradigms
- generative programming
- meta-programming and reflection
- virtual classes and advanced dispatch
- monads, type classes, etc.

tool support
- evolution and reverse engineering
- aspect mining
- crosscutting program views
- interactive development environments

applications
- distributed/concurrent systems
- middleware, web services, and networking
- pervasive computing
- runtime verification
- performance improvement

Further details and guidelines for submissions can be found on the conference website.

Call for Other Contributions

In addition to the research track, AOSD.08 will feature the following tracks open to submissions:

- An *Industry Track* where architects and developers with experience in aspects gather to learn and teach.
- *Tutorials* providing an interactive setting to get to grips with established and novel approaches to AOSD.
- *Workshops* for in-depth discussion of advanced topics in industry and research.
- *Demonstrations* of leading-edge technologies.

More information on these tracks and guidelines for submissions can be found on the conference website.

About the Venue

AOSD.08 will be held in Brussels, the official capital of Belgium and unofficial capital of Europe. Located centrally in Western Europe, Brussels is easy to reach by plane to Brussels International Airport, and has direct high-speed train connections to neighboring major cities: Paris (1h20), London (2h30), Köln (2h20) and Amsterdam (2h40).

If you wish to extend your stay beyond the conference, you'll find Brussels has much to offer. From the city in which Charles V was declared king of the unified Spain, to hosting the headquarters of the European Union today, Brussels has always played an important political role and is defined by a vibrant mix of old

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University of Chile, Chile

and new. Gothic cathedrals and churches sit, at times in stark contrast, next to gracious classical facades or gorgeous Art Nouveau and Art Deco houses. Many examples in the latter styles by renowned architects Victor Horta and Paul Hankar can be found throughout the city, such as the splendid Museum of Musical Instruments. Other museums well worth visiting include the Royal Museum of Fine Arts, with works on display by, amongst others, Brueghel, Rubens, Van Dyck and Belgian surrealist painter René Magritte. Belgium is also famous for

more modern imagery: fans of Tintin or The Smurfs can spend an afternoon reading in the Comic Strip museum, or can check out the 22 "comics walls" situated throughout the city. The Royal Palaces, Parc Cinquantenaire with its car and aircraft museums, the Atomium, Chinese pavilion, Japanese tower and the little statue of Manneken Pis complete the mix of sometimes quirky sights to be found in Brussels. Its crowning glory, the Grand Place market square, gives you a chance to savour the celebrated Belgian beers, chocolates and cuisine while admiring the impressive Guild houses and Town Hall.

From Brussels you can also easily make a day trip to one of the other important cities of Belgium. Bruges in particular has a historic city centre classified as a UNESCO World Heritage Site. Also known as "The Venice of the North" because of its canals, the city has perfectly preserved its old medieval atmosphere. Close-by Ghent offers a similar experience and its Saint Bavo Cathedral has on display the acclaimed polyptych "The Adoration of the Mystic Lamb" by Van Eyck, considered the most beautiful and influential painting of the Flemish school of painting. Leuven is a bustling student town, with sites of historical interest and of course a lively bar scene. Antwerp has long been an important city both economically and culturally. Today, it has one of the busiest ports in the world. Known as the Diamond Capital and a budding fashion centre, it is the place to go to acquire some new attire. Day trips to the south bring you to the Walloon region of Belgium, which enchants with its Ardennes forests and wild beauty.

Important Dates

research track

• abstract submission:	Friday, October 5th, 2007, 23:59 (Samoan)
• research paper full submission:	Friday. October 12th, 2007, 23:59 (Samoan)
• acceptance notification:	Friday, December 21st, 2007
• camera-ready copy:	Friday, February 8th, 2008, 23:59 (Samoan)

workshops

• workshop proposal submission:	Friday, October 19th, 2007, 23:59 (Samoan)
• proposal acceptance notification:	Friday, November 9th, 2007
• workshops call for papers:	Friday, November 16th, 2007

tutorial, demo and industry tracks

• submissions due:	Wednesday, November 21st, 2007, 23:59 (Samoan)
• acceptance notification:	Friday, December 21st, 2007

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