Interview with Francisco Curbera

Yesterday the invited speaker of FASE'06, Francisco Curbera, gave a talk on "A Programming Model for SCA Applications". After his talk ETAPS asked him some questions on his involvement in standards, challenges in supporting multiple languages, and future features in SCA.

ETAPS: You are involved in the definition of many standards for web services. What was your motivation for working on standards?

FC: We have been working with XML since 1997. And because we had a strong background in XML we got involved in web services. IBM decided to join SOAP in 2000. My group developed the first Java implementation of SOAP 1.1. We coauthored WSDL, BPEL, WS-Policy, WS-Addressing, and some others. This was from 2000 until 2004. I keep on saying 'we' because these are all collaborative efforts together with IBM product divisions and IBM partners.

ETAPS: Which standards that are you involved in, do you believe will impact our life in the future the most?

FC: Probably WSDL and BPEL because WSDL provides the basics to describe service components and BPEL will likely become a widely used composition mechanism for service components.

ETAPS: With SOA you want to enable developers to chose the programming language best adapted to the task at hand. Which languages do you currently support?

FC: The fact is we have integrated just a few. We have integrated BPEL and Java. They have not been particularly hard because they both fit the service component model. I expect that declarative languages like XSLT and XQuery will be alternatively more challenging because their model is much more centred on data manipulation.

ETAPS: How do you see the support for interoperability and multiple languages being constrained by security issues?

FC: Security has been from start on a concern for web services. The Web Services Security framework is already very solid and provides a comprehensive solution. The approach to multiple languages is that regardless of a language, we assume a container infrastructure. The container is in fact responsible for enforcing security requirements. The container approach makes it easer to get things right. We are exposing security functions to the different languages but under a container security.

ETAPS: SCA v0.9 was published in Nov 2005. What new features are you currently working on in SCA?

FC: One major area is the support for policies [security, reliability etc.] We are interested in supporting fully recursive composition. And our major point of concern is to have a high-quality open source implementation of SCA run-times such as the "Tuscany Project" in Appache and tools such as the "Eclipse SOE Tools Project".

ETAPS: Why open source?

FC: The goal is to gain wide adoption. Open source is an excellent channel to reach developers and get them tools and run-times.

ETAPS Interviewer: Markus Schordan

Astronomical Event Marks Half Time

During lunch time you can enjoy a partial solar eclipse. The eclipse will be at its maximum at 12:48. This will mark almost exactly half time of ETAPS'06.

Dinner at "Heurigen"

The dinner will take place at the "Heurigen" *Schübel-Auer*, Kahlenberger Straße 22, Wien-Nußdorf, 7:30 PM. A "Heurigen is the Viennese term for the wine of the most recent grape harvest, and it is also the name of the places where the wine is served.

How to get to the "Heurigen"

Walk to tram stop Karlsplatz near the park (see picture – do not enter any Underground station! The tram stop is right beside the Café which is printed on the ETAPS programme cover.) To make the travel to the "Heuriger" as convenient as possible we have chartered two tram cars for ETAPS

Tramway

U Karlsplatz

Resselpark

Resselg.

Paniglgasse

Apfelg.

Frankenberggasse

Karlsgasse

Argentinierstr.

Kreuzherreng

Gußhausstraße

ETAPS

participants only. The ETAPS trams are scheduled for 7:00 PM. The trams are expected waiting there from 6:45 PM on.

If you **want to be guided** to tram stop Karlsplatz, the meeting place is in front of the **registration desk at 6:40 PM**.

Those who miss both of these two trams can use another tram at the normal schedule. Take tram line D from tram stop Gußhausstraße (direction Nußdorf) to tram stop Beethovengang. Note that Beethovengang is the final stop. The travel time is about 40 minutes.

Weather Forecast

	Today	Thu	Fri	Sat
	Partly Cloudy	Mostly Sunny	Showers	Partly Cloudy
Low	5℃	6℃	8℃	7℃
High	11℃	15℃	15℃	15℃

08:30	**ETAPS – invited talk** EI 7 *Carlo Ghezzi: Software Engineering: Emerging Goals and Lasting Problems* Chair: Luciano Baresi
09:30	Coffee
10:00	

FASE	FOSSACS	TACAS
EI 8	EI 10	EI 7
Validation and Verification	*Mobile Processes*	*Program Verification*
Chair: Luigi Lavazza	Chair: Rocco De Nicola	Chair: Lenore Zuck

12:00

Lunch (see p.61 in ETAPS programme for restaurant guide)

14:00

ETAPS – invited talk
EI 7
Benjamin Pierce: The Weird World of Bi–Directional Programming
Chair: Jens Knoop

15:00
15:15

FASE	FOSSACS	TACAS
EI 8	EI 10	EI 7
Tool Demonstrations	*Software Science*	*Runtime Diagnostics*
Chair: Arend Rensink	Chair: Jens Knoop	Chair: Rance Cleaveland

16:15

Coffee

16:45

FASE	FOSSACS	TACAS
EI 8	EI 10	EI 7
Software Evolution	*Distributed Computation*	*Quantitative Techniques*
Chair: Jose Fiadeiro	Chair: Walter Vogler	Chair: Kim G. Larsen

18:15
...
19:30

"Heuriger"