UNIFYING INVITED TALKS

Today there are two unifying invited talks, both on the boat Europa.

From 09:00, Professor Luke Ong will delivery his talk titled *Verification of higher-order computation: a game-semantic approach*.

Luke Ong is a Professor of Computer Science at Computing Laboratory, Oxford University. His research has mainly been in Semantics of Computation, which is concerned with the development and analysis of mathematical structures that model computation using ideas and tools from Mathematical Logic. More recently he has tended to be motivated by problems of an algorithmic nature.

After lunch break (from 14:15), Professor Thomas W. Reps will present his talk titled *WYSINWYX: What You See Is Not What You eXecute.*

Thomas W. Reps is a Professor of Computer Science at the Computer Sciences Department of the University of Wisconsin, which he joined in 1985. He is the author or co-author of three books and more than one hundred thirty papers describing his research. His work has concerned a wide variety of topics including program slicing, dataflow analysis, pointer analysis, model checking, computer security, code instrumentation, language-based program-development environments, the use of program profiling in software testing, software renovation, incremental algorithms, and attribute grammars.

IMPORTANT CHANGES

Session 2 of ESOP (10:30-12:30) is moved to room **Jazmin 1.**

FOSSACS I. (15:30-16:30) is in **Jazmin 1** while FOSSACS II. will be in **Jazmin 2**.

Last session of today's FOSSACS (17:00-18:30) is moved to **Jazmin 1** as well. (These rooms are next to the original location.)

Please refer to displays in the lobbies for actual information.

CONFERENCE BANQUET

The main conference banquet will be organized in the beautiful "aula" of the National Council of Justice. As part of the banquet, we will offer a selection of the best Hungarian and international food and music.

The banquet starts at 19:30 at the Palace of The National Council of Justice of (Szalay u. 16.).

Due to its central location, bus transfer will only be provided after the banquet back to your hotel, while we invite you for a short walk along Margareth Island and then to the Parliament to get to the banquet site. We leave the conference venue at 18:45.

INTERVIEW

Yesterday's invited talk was given by Thierry Coquand about Constructive Mathematics and Functional Programming.

ETAPS Daily: What do you see as suitable engineering problems which should be addressed by total functional programming?

Thierry Coquand: Engineering problems which are very close to mathematics (for instance, computer algebra systems or the planar graph problem mentioned in my talk). I would like to see more applications of this in areas where a mathematical specification of the system is needed, but there are no problems which could be addressed only by this method.

E.D.: What sort of applications of constructive mathematics are you dealing with?

T.C.: I am trying to reformulate some mathematical problems. For instance, the theorem in commutative algebra by J.P. Serre generalized in the 80s by R. Heitman. We reformulated constructively this and we got a simpler proof. By the fact that it was simpler, we could generalize it and address open questions.

E.D.: What kind of applications you would like to see?

T.C.: Now we are in the state where we could use constructive mathematics, for instance, to develop systems where exact real number computation could be mixed with computer algebra.

PROGRAMME

	Room	Jazmin 1.	Ybl	Jazmin 2.	Star
			April 2nd, Wednesday		
9:00	Session 1	Unifying invited talk (Luke Ong) (Europa)			
9:30					
10:00		Coffee			
10:30	Session 2	ESOP Program Verification (ch:Michael Huth)	FASE Objects and Components		FOSSACS Games
11:00					
11:30					
12:00					
12:30	Lunch				
13:00		ETAPS Steering Committee Meeting			
13:30					
14:00		Unifying invited talk (Tom Reps) (Europa, 14:15)			
14:30	Session 3				
15:00		FOSSACS I Algebraic models I.	ESOP Security II. (ch:Peter Müller)	FOSSACS II Decision problems I.	TACAS Tools I. (ch:Patrice Godefroid)
15:30					
16:00					
16:30		Coffee			
17:00	Session 4	FOSSACS Automata and timed systems	FASE Model transformations II.		TACAS Symbolic execution (ch:Jens Knoop)
17:30					
18:00					
18:30		Walk from conference venue (18:45)			
19:00					

WEATHER FORECAST

Wednesday:

Partly Cloudy, Light Showers 13°C (F) / 4°C (F)

Thursday:

Light Showers, 10°C (F) / 4°C (F)

INVITATION TO ETAPS 2009

ETAPS 2009 will take place on the beautifully land-scaped campus of the University of York, UK between 22nd and 29th March 2009, as the 12th event in the ETAPS series. York is a historic medieval city located on the river Ouse in the North of England; it is a principal stop on the East Coast Main Line from London to Edinburgh and is also well connected via Manchester Airport and Leeds/Bradford Airport.

In its almost 2000 year long history, York has seen many visitors, among them the Romans who founded the city in AD 71 and made it one of the capitals of Roman Britain, as well as the Vikings who captured the city in AD 866 and made it the capital of a wider kingdom.

Today, the City of York is the home of about 150,000 people, including about 14,000 students, and a major tourist destination, featuring medieval walls and streets, the largest gothic cathedral in northern Europe, the Jorvik Viking village, and several museums including the National Railway Museum amongst whose carriages you will be able to dine at the ETAPS banquet, and the Castle Museum which will host the ETAPS reception.

TRIVIA

Eötvös Loránd University (ELTE) is one of the organizers of ETAPS 2008. Its predecessor was founded in 1635 in the rural town of Nagyszombat by Cardinal Péter Pázmány, as a catholic university for teaching Theology and Philosophy. In 1770-1780, the University was transferred to Buda and later to Pest, and with the support of Maria-Theresa, the Empress of Austria and Queen of Hungary, it became the Royal Hungarian University. In 1950 it was named after one of its professors, the world-famous physicist, Loránd Eötvös.

1800 teachers and researchers teach over 30.000 students of 11 faculties: Faculty of Arts, Faculty of Education and Psychology, Faculty of Elementary and Nursery School, Teachers Training, Faculty of Informatics, Faculty of Law and Political Sciences, Faculty of Natural Sciences, Faculty of Social Sciences, Barczi Gusztáv Faculty of Special Education.