



7th International Symposium on Trustworthy Global Computing

Newcastle upon Tyne, UK, 7–8 September 2012
(co-located with CONCUR & PATMOS 2012)

Programme

Friday 7th September

9:00–9:30 **Opening**

9:30–10:30 **Invited talk**

Cosimo Laneve. *Mutations, flashbacks and locks: a framework for the static analysis of deadlocks and livelocks.* (Joint work with Elena Giachino.)

10:30–11:00 **Coffee break**

11:00–12:30 **Security**

Daniel Dougherty and Joshua Guttman. *An algebra for Symbolic Diffie-Hellman protocol analysis.*

Alessandro Armando, Gabriele Costa and Alessio Merlo. *Formal modeling and reasoning about the Android security framework.*

Mayla Bruso, Konstantinos Chatzikokolakis, Sandro Etalle and Jerry Den Hartog. *Linking unlinkability.*

12:30–14:00 **Lunch**

14:00–15:00 **Invited talk**

Dan Ghica. *Seamless distributed computing from the Geometry of Interaction.* (Joint work with Olle Fredriksson.)

15:00–15:30 **Coffee break**

15:30–17:00 **Semantics, logics and types for multiparty interactions**

Roberto Bruni and Anne Kersten. *LTS Semantics for compensation-based processes.*

Laura Bocchi, Romain Demangeon and Nobuko Yoshida. *A multiparty multi-session logic.*

Pedro Baltazar, Luis Caires, Vasco T. Vasconcelos and Hugo Torres Vieira. *A type system for flexible role assignment in multiparty communicating systems.*

Saturday 8th September

9:00–10:00 **Invited talk**

David Naccache. *When file synchronization meets number theory.*

10:00–10:30 **Coffee break**

10:30–12:00 **Quantitative analysis**

Silvia Pelozo and Pedro R. D'Argenio. *Security analysis in probabilistic distributed protocols via bounded reachability.*

Jeremy W. Bryans, Maciej Koutny and Chunyan Mu. *Towards quantitative analysis of opacity.*

Lili Xu. *Modular reasoning about differential privacy in a probabilistic process calculus.*

12:00–13:30 **Lunch**

13:30–14:30 **Invited talk**

Stefan Saroiu. *Trusted computing software abstractions for mobile and cloud systems.*

14:30–15:00 **Coffee break**

15:00–16:30 **Panel: Privacy and trust in the cloud.**

With Kostas Chatzikokolakis, David Naccache, Rocco De Nicola, Mark Ryan and Stefan Saroiu. Chaired by Catuscia Palamidessi.

16:30 **Closing.**