

FSCD Steering Committee Election 2018

Olivier Laurent

Elements of Biography

I am currently Senior Researcher (Directeur de Recherche) at CNRS, attached to the computer science lab of the ENS Lyon (France). Before that I used to work in Paris and Marseille (PhD). I have been the PhD (co-)advisor of 8 PhD students.

My main research interests cover: proof theory [Lau16], linear logic [Lau99, Lau18], intersection types, termination proofs, interactive theorem proving, game semantics [Lau10], implicit computational complexity [LTdF06], concurrency theory, etc.

Here are some committees I have been involved in, and some research groups of which I have been in charge:

- PC member of TLCA 2007, FoSSaCS 2012, LICS 2012, CSL 2013, MFPS 2015
- SC member of the international GaLoP workshops on game semantics since 2011
- Plume research-team leader 2009–2012
- Head of the French research group “GeoCal” (Geometry of Computation) 2013–2018

Statement

I have served, for the last five years, as the head of the French group “GeoCal” (Geometry of Computation) gathering now more than 150 people from all the French research teams around logic and computation. Roughly speaking, the topics of GeoCal correspond to those of the past TLCA conference. It is now the end of my term and GeoCal is evolving to something larger in the spirit of FSCD. I am deeply convinced this is the good direction and the right scientific perimeter for the development of our research area.

I would be pleased to continue working in these directions at an international level and the Steering Committee of FSCD seems to be the best place for this.

FSCD is a young conference but with a very strong history through RTA, TLCA and the RDP joint meetings. Each time I have participated in these events it has been a great pleasure and scientifically very fruitful. I would like to participate in the ongoing development of FSCD and to serve our community in providing a major event for scientific progress and scientific exchanges.

Selected Publications

- [Lau99] Olivier Laurent. Polarized proof-nets: proof-nets for LC (extended abstract). In Jean-Yves Girard, editor, *TLCA '99*, volume 1581 of LNCS, 1999.
- [LTdF06] Olivier Laurent and Lorenzo Tortora de Falco. Obsessional cliques: a semantic characterization of bounded time complexity. In *Proceedings of LICS*, 2006.
- [Lau10] Olivier Laurent. Game semantics for first-order logic. *Logical Methods in Computer Science*, 6(4):3, October 2010.
- [Lau16] Olivier Laurent. Focusing in orthologic. In Delia Kesner and Brigitte Pientka, editors, *1st FSCD International Conference*, volume 52 of LIPIcs, 2016.
- [Lau18] Olivier Laurent. Around classical and intuitionistic linear logics. In *Proceedings of LICS*, 2018.

Full publication list available at <https://perso.ens-lyon.fr/olivier.laurent/>