

Name : Nicolas Julien
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PhD student in computer science

Abstract

Particular interest in theorem proving, logic, co-induction and real arithmetic.

Qualifications

October 2006 - PhD thesis “Uniform formalisation of recursivity and co-recursivity in type theory” under the guidance of Yves Bertot in the Marelle team at Inria Sophia-Antipolis.
June 2006 Master degree in computer science (speciality: formal methods) and Engineering degree at UNSA (*Université de Nice Sophia Antipolis*).
June 1999 Baccalauréat S with distinction (mathematics).

Experience

October 2006 - Teaching assistant : Java, Lex/Yacc, Ocaml, Scheme
February - June 2006 Internship in the INRIA Sophia laboratory : “Formal verification of exact real arithmetic and analytic functions”. Work supervised by Yves Bertot.

Publications

[1] Nicolas Julien. Arithmétique réelle exacte certifiée, co-induction et base arbitraire. In *Journées francophones pour les langages applicatifs, JFLA'07*.

Selected Talks

[1] Certified exact real arithmetic in arbitrary integer radix using co-induction. In *TYPES, Cividale del Friuli, Italy, 2007*.
[2] Arithmétique réelle exacte certifiée, co-induction et base arbitraire. In *RAIM, Montpellier, France, 2007*.

Skills

Computer languages C/C++, Java, ML, Scheme, Prolog, L^AT_EX, Lex/Yacc.
Formal methods Coq.
Operating systems GNU/Linux, Windows.
Foreign languages French (native), English (intermediary), Italian (intermediary).

Activities

- Yoga, billiards, foosball
- Involved in the phd student association ADSTIC