

LIX (X and CNRS)

INRIA and **CEA**

**Laboratoire
d'Informatique de l'X**

**Computer Science
Laboratory at X**

Director : Jean-Pierre Jouannaud

- Fundamental problems targetting real applications whose solution requires scientific breakthroughs
- Algorithms, networks, formal methods
- Applicative areas : algorithms&engineering for telecommunications, design and validation of complex systems, security
- > 100 people, about half phds and postdocs, 16 different nationalities
- 10 groups including 6 INRIA and 1 CEA
- Industrial collaborations:
Thalès, Hitachi, EADS, France-Telecom.
Alcatel, Axalto, Cril, Ergelis, Eurocontrol,
Gemplus, Ilog, Philip Moris, Trusted Logics.

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Research teams

- Algebraic Models and Computer Algebra:
Marc Giusti, Michel Fliess (**Alien**)
- Combinatorial Models: Gilles Schaeffer
- Bioinformatics: Jean-Marc Steyaert
- Algorithms for optimisation:
Philippe Baptiste
- **Hipercom**: Philippe Jacquet
- **Tanc**: François Morain
- **Parsifal**: Dale Miller
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- **LogiCal**: Complete formal proof of the 4 colors theorem using Coq (with Microsoft)
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- **Future** : Distributed, heterogeneous Data Bases
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- **Digiteo partners**: INRIA-Rocquencourt, École Centrale, ENS-Cachan, Université de Versailles ST-Quentin-en-Yvelines
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