

TBA

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INRIA

Anonymity

- Tamara Rezk's work
- Ilaria Castellani
 - Process calculi (G. Boudol)
 - Information Flow
 - Session types

Arithmetics

- Some years of work with J. Vuillemin
- Implementation of modular exponential in specific hardware (Siemens)
- Unbounded numbers implementation

Analysis

- Static analysis in compilers
- Fast interpreters
- Absence prediction for Esterel
- Nataliia Bielova : web privacy and web tracking

Algol

- Language
 - Multi-tier language Hop (Manuel Serrano)
 - Having control on the compiler (or interpreter) may help for the security
- Semantics
 - No proofs without a clean semantics

Auto (famous Coq tactic)

- Parallel moves (1K)
- Subject reduction for imperative rho-calculus (1K)
- Colored lambda-calculus (2K)
- Ordered Networks (2K)
- Esterel counters (1.5K)
- Esterel correspondance (3.6K)
- Abstract rewriting system (2K)

At last

- E-voting need specific languages and/or formal proofs ?