

WG4: Types for Verification

The study and development of type based verification systems aims at expressing and optimising the verification tasks in terms of existing strong type systems such as the Calculus of Inductive Constructions, Martin-Löf type theory or Higher-Order Logic. This can be divided into several themes such as

1. formalisations of industrial program languages and their specification languages in different type based verification environments,
2. proof automation techniques specific for the formal verification (verification condition generators, proof tactics etc.)
3. higher-level logics that make it easier to express and verify particular properties of interest in program verification.

WG meeting in Krakow

- 23-24 February 2019 in conjunction with Lamda Days
- 5 invited speakers
 - Program verification (Robbert Krebbers, Kenji Maillard)
 - Language formalisation (Paolo Giarrusso)
 - Cryptography (Francois Dupressoir, Pierre-Yves Strub)
- **11 regular talks**
 - Abstracts and slides available on the homepage
- 26 participants (non-speaker participants are from Lamda days)