# A Warm Welcome to the Isabelle Developers Workshop

A few introductory remarks

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#### Internet

• Wifi only allows access to local servers (material for tutorials).

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- Full Internet access via cabels in Room John von Neuman (00.11.038).

Ground floor Finger 11 Room 38



The workshop does not have any registration fee. Money comes from a research grant.

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- Lunch will be in our nearby cafeteria.

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- For dinner you will be on your own, but we hope to make impromptu arrangements.
- Saturday: is a public holiday. Pretty everything is closed here in Garching; we will order pizza for lunch.

#### **Material and Local Info**

All material for the tutorials will be at

http://tphols.in.tum.de/idw.html

Local info is contained in two documents. Please ask us if you need further assistance.

Information for TPROLA 2009 Participants Nation 3	
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[conference pdf]

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## Schedule

- 9:15 10:00 Tutorial 1
  - Coffee
- 10:30 11:15 Tutorial 2 Coffee
- 11:45 12:30 Tutorial 3

#### Lunch

14:30 - 15:15 Tutorial 4 Free time

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There is nothing organised for the free time. You have to get active yourself!

# **Stefan Berghofer**



- Isabelle since 1996
- wrote numerous packages for Isabelle (datatype, primrec, ...)
- simplifier, code generation

#### **Jasmin Blanchette**



- Isabelle since 2008
- is working on a new counter example generator NitPik ("quickcheck++")

## Sascha Böhme



- here only today
- Isabelle since 2007
- is working on connecting SMT solvers to Isabelle
- also on HOL-Boggie, a verifier for C and C<sup>#</sup>

### Lukas Bulwahn



- Isabelle since 2006
- termination of functions, quickcheck++

#### **Florian Haftmann**



- Isabelle since 2003/'05
- code generation
- type classes

#### Johannes Hölzl



- Isabelle since 2005
- reflections, tactics, imperative functions

## **Fabian Immler**



- Isabelle since 2008
- concurrency with PolyML
- infrastructure for Sledgehammer
- jEdit / Scala

#### **Alexander Krauss**



- Isabelle since 2005?
- function package

# Markus / Makarius Wenzel



- Isabelle since 1993
- Isar, new GUI, everything else

# **Tobias Nipkow**



- ullet Isabelle since  $\infty$
- will occasionally be here

# **Final Request**

• Using Isabelle is difficult (especially for students).

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- Programming on the ML-level of Isabelle is 1000 times harder.

# **Final Request**

- Using Isabelle is difficult (especially for students).
- Programming on the ML-level of Isabelle is 1000 times harder.
- The workshop is meant to help you. Please help improving the Isabelle Programming Tutorial:



http://isabelle.in.tum.de/nominal/activities/idp/