

# HP/Gelato Workshop: Improving the GNU Compiler Collection (GCC) on Itanium January 26-27, 2005, Geneva, Switzerland

## Agenda

(Please note that this agenda is flexible and may change slightly.)

### Tuesday, January 25, 2005

**19:00** - Group Dinner at Hotel - Meet in hotel lobby at 19:00

### Wednesday, January 26, 2005

*Location: Hotel Meeting Room - 09:00 to 12:00*

**09:00-10:00** - Introductions and Logistics - Mark Smith, Al Stone

- Review agenda

- Review goals

- Group introductions:

  - What compilers do you use?

  - Why do you use them? For what kind of applications?

  - What one thing would you like to see change in GCC?

**10:00-10:30** - Proposed Gelato GCC Focus Group - Mark Smith, Al Stone

- Purpose

  - Run-time performance

  - Compile-time performance

  - Correctness

  - Tools

- Scope

  - GCC on Itanium

- Process

  - Periodic review of progress and objectives

  - Are we agreed?

  - Status meeting in April? Gelato meeting in May?

**10:30-10:45** - Break

**10:45-11:45** - Review of Current GCC Infrastructure Changes - TBD

**11:45-13:00** - Lunch - Location TBD

*Location: HP Geneva - 12:00 to 17:00*

**13:00-14:30** - Current Projects - All Attendees

- Identify current and planned work on Itanium GCC, and related projects:

  - Goals of the work

  - Schedule

  - Funding (current and needed)

  - Expertise

  - Potential points of collaboration

  - Papers to be published?

**14:30-15:00** - Break

**15:00-17:00** - Current Projects, continued

**17:00-17:10** - Adjourn for the day. We will immediately move to the restaurant for dinner.

**19:00** - Group Dinner - Les Armures, Hotel Les Armures, Rue du Puits-Saint-Pierre 1, 1204 Geneva

**Thursday, January 27, 2005**

*Location: HP Geneva - 09:00 to 17:00*

**09:00-09:15** - Reconvene

**09:15-11:30** - Brainstorming Session - All Attendees

Identify other areas of possible improvement

--Issues or complications?

--Effectiveness?

--Known quantity or complete unknown?

--Resource needs?

--Collaboration?

**11:30-13:00** - Lunch

**13:00-14:30** - Prioritize the Possibilities - All Attendees

Which changes are most likely to be effective?

Which changes are most interesting?

**14:30-15:00** - Break

**15:00-16:30** - Next Steps Needed:

Who's interested in investigating further?

--How long would it take to develop an implementation plan?

--How long would it take to get results?

--What funding is needed?

--What staffing is needed?

--Opportunities for collaboration?

**16:30-17:00** - Conclusion and Adjournment

Quick review of goals and accomplishments

Review action items and owners

**Friday, January 28, 2005 (optional)**

*Location: CERN - 09:00 to 12:00*

Attendees who are still in town are encouraged to take a tour of CERN, which will be led by Sverre Jarp, Andreas Hirstius, and other CERN team members.

**09:00** - Visit to CERN's permanent expo (Microcosm)

**10:00** - Visit to the ATLAS detector area (underground)

**11:00** - Visit to the LHC magnet assembly area

**12:00** - Optional lunch at CERN's cafeteria - cost ~10 USD