# Preface

EuroForth is an annual conference on the Forth programming language, stack machines, and related topics, and has been held since 1985. The 24th Euro-Forth finds us in Vienna for the second time. The three previous EuroForths were held in Santander, Spain (2005), in Cambridge, England (2006), and in Schloss Dagstuhl, Germany (2007). Information on earlier conferences can be found at the EuroForth home page (`http://dec.bournemouth.ac.uk/forth/euro/index.html`).

Since 1994, EuroForth has a refereed and a non-refereed track.

For the refereed track, one paper was submitted, and one was accepted (100% acceptance rate). For more meaningful statistics, I include the numbers from 2006 and 2007: eight submissions, four accepts, 50% acceptance rate. The paper was sent to three program committee members for review, and they produced three reviews. This year, one of the program committee members has submitted a paper; of course this member was not involved in the review process of the paper in any way. I thank the authors for their paper, and the reviewers for their reviews.

Several papers were submitted to the non-refereed track in time to be included in the printed proceedings. In addition, the printed proceedings include the slides and an abstract for talks that will be presented at the conference without being accompanied by a paper. These online proceedings also contain late papers and late presentations that were too late to be included in the printed proceedings. One presentation (GLforth by Gerald Wodni) was in demo format and is therefore not included in these proceedings. Workshops and social events complement the program.

We are grateful to Ewa Vesely for organizational support for this year's EuroForth.

Anton Ertl

## Program committee

Sergey N. Baranov, Motorola ZAO, Russia (secondary chair)
M. Anton Ertl, TU Wien (chair)
David Gregg, University of Dublin, Trinity College
Ulrich Hoffmann, FH Wedel University of Applied Sciences
Jaanus Pöial, Estonian Information Technology College, Tallinn
Bradford Rodriguez, T-Recursive Technology
Bill Stoddart, University of Teesside
Reuben Thomas, Adsensus Ltd.

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## Refereed papers

## Non-refereed papers

## Abstracts

## Presentations

## Late papers

## Late presentations

# Programme

| | | |
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| Thursday | 1:00pm | Lunch at Artner |
| | 2:30pm | Forth200x meeting |
| | 7:00pm | Dinner at Wiazhaus |
| Friday | 9:00am | Forth200x meeting |
| | 1:00pm | Lunch at Artner |
| | 2:30pm | Coffee at meeting room |
| | 2:45pm | EuroForth opening, organizational matters |
| | 3:00pm | Angel Robert Lynas, Bill Stoddart: Using Forth in a Concept-Oriented Computer Language Course |
| | 3:30pm | Jaanus Pöial: Java Framework for Static Analysis of Forth Programs |
| | 4:00pm | Andrew Haley: An Infix Syntax for Forth (and its compiler) |
| | 4:30pm | Coffee break |
| | 5:00pm | Bernd Paysan: A Debugger for the b16 CPU |
| | 5:30pm | M. Anton Ertl: Cleaning up After Yourself |
| | 6:00pm | Ulrich Hoffmann: Forth System Hooks—Metaobject Protocol in Forth Style |
| | 7:00pm | Meet at hotel for walk to dinner |
| | 7:30pm | Conference Dinner at Zwölfapostelkeller |
| Saturday | 9:00am | Stephen Pelc: Updating the Forth Virtual Machine |
| | 9:30am | Yunhe Shi, Kevin Casey, M. Anton Ertl, David Gregg: Virtual Machine Showdown: Stack versus Registers |
| | 10:00am | Bernd Paysan: Porting MINOS to VFX |
| | 10:30am | Coffee break |
| | 11:00am | Bill Stoddart, Angel Robert Lynas: Filters for Unicode Markup, a Work in Progress Report |
| | 11:30am | Gerald Wodni: GLforth – an Ego Shooter |
| | 11:55am | Impromptu talks/discussion |
| | 12:50pm | Walk to restaurant |
| | 1:00pm | Lunch at Wieden Bräu |
| | 2:30pm | Excursion to Leopoldsberg, Kahlenberg, Cobenzl, followed by Dinner at *Weingut am Reisenberg* |
| Sunday | 9:00am | EuroForth workshops and impromptu talks |
| | 1:00pm | Lunch at Wieden Bräu |
| | 2:30pm | 4th day: Walk: Alte Donau, Donauinsel and Prater |