1 Introduction

This document is a report on the activities of the European Association for Theoretical Computer Science during the period between ICALP 2009 and ICALP 2010. The main purpose of the document is to inform all EATCS members about the activity carried on by the association and about the issues to be presented and discussed in the General Assembly during ICALP 2010 in Bordeaux.

2 Awards

In 2009-2010 EATCS has sponsored the following awards:

- The **EATCS Award 2010** to Kurt Mehlhorn, in recognition of his distinguished scientific career and for his decisive influence on the developments of algorithms, and, more generally, of computer science as a whole in many ways.

- The **Gödel Prize 2010** co-sponsored by EATCS and ACM SIGACT, to the following papers:
  1. *Polynomial-time approximation schemes for Euclidean TSP and other geometric problems*, by Sanjeev Arora, Journal ACM 45(5), 753-782, and

- The **Presburger Award 2010** for young scientists to Mikolaj Bojanczyk for having contributed numerous deep results to automata theory and to logic and algebra in computer science.

- The **Edsger W. Dijkstra Prize 2009** in Distributed Computing was awarded to the paper *Knowledge and Common Knowledge in a Distributed Environment* by Joseph Halpern and Yoram Moses. The presentation of the award was made at DISC’09.

- The **ICALP Best Papers Awards 2010** assigned as follows:
  1. *Approximating the Partition Function of the Ferromagnetic Potts Model*, by Leslie Ann Goldberg and Mark Jerrum (best paper for Track A), and
  2. *On p-optimal proof systems and logics for PTIME*, by Yijia Chen and Jörg Flum (best paper for Track B), and
(3) Placing Regenerators in Optical Networks to Satisfy Multiple Sets of Requests, by George B. Mertzios, Ignasi Sau, Mordechai Shalom and Shmuel Zaks (best paper for Track C).

- The EATCS/LA Best Presentation Award 2010 assigned by the EATCS Japanese Chapter to the best presentation by a young researcher at the 8th EATCS-JP/LA Annual TCS Workshop 2010 in Tokyo, has been assigned to Prof. Yoshio Okamoto, Tokyo Institute of Technology.

- The ETAPS Best Paper Award 2010 for the best paper in theoretical Computer Science at the European Joint Conferences on Theory and Practice of Software 2010, ETAPS’10, has been assigned to the paper When Simulation Meets Antichains (on Checking Language Inclusion of NFA’s, by Parosh Abdulla, Yu-Fang Chen, Lukas Holik, Richard Mayr, and Tomas Vojnar.

- The ESA Best Paper and Best Student Paper Awards 2009 respectively, assigned during the European Symposium on Algorithms 2009 to Christoph Dürr, Flavio Guiñez, Martin Matamala for the best paper Reconstructing 3-colored grids from horizontal and vertical projections is NP-hard and to Heidi Gebauer for the best student paper Disproof of the Neighborhood Conjecture with Implications to SAT.

Other issues concerning awards or fellowships will be discussed at the next EATCS Council and General Assembly in Bordeaux.
3 Membership

The chart below shows the evolution of the membership of the EATCS, from ICALP’82 until today (not counting ICALP’10 registrations).

Detailed membership figures from the last few years are reported in the table below:

<table>
<thead>
<tr>
<th>Year</th>
<th>Members</th>
</tr>
</thead>
<tbody>
<tr>
<td>2000</td>
<td>1086</td>
</tr>
<tr>
<td>2001</td>
<td>1172</td>
</tr>
<tr>
<td>2002</td>
<td>996</td>
</tr>
<tr>
<td>2003</td>
<td>966</td>
</tr>
<tr>
<td>2004</td>
<td>1032</td>
</tr>
<tr>
<td>2005</td>
<td>1140</td>
</tr>
<tr>
<td>2006</td>
<td>1036</td>
</tr>
<tr>
<td>2007</td>
<td>882</td>
</tr>
<tr>
<td>2008</td>
<td>678</td>
</tr>
<tr>
<td>2009</td>
<td>724</td>
</tr>
<tr>
<td><strong>2010</strong></td>
<td><strong>858</strong></td>
</tr>
</tbody>
</table>
4 Financial Overview

EATCS Finances
June 28, 2009 - June 18, 2010

**june 28, 2009** €

- Securities: 124,311,09
- Savings acc.: 32,199,86
- Cash acc.: 16,582,50
- Provision Dijkstra prize: -6,330,70
- Provision ETAPS surplus: -15,687,00

**Total**: 151,075,66

**june 18, 2010** €

- Securities: 116,615,86
- Savings acc.: 32,632,65
- Cash acc.: 41,202,06
- Provision Dijkstra prize: -11,961,74
- Provision ETAPS surplus: -15,687,00

**Total**: 162,801,83

**Balance**: + 11,726,17
## EATCS Finances

### June 28, 2009 - June 18, 2010

### Income

<table>
<thead>
<tr>
<th>Description</th>
<th>€</th>
<th>(previous)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Members</td>
<td>21,320.64</td>
<td>(34,901.19)</td>
</tr>
<tr>
<td>Sponsors</td>
<td>8,000.00</td>
<td>(2,000.00)</td>
</tr>
<tr>
<td>Springer</td>
<td>2,280.31</td>
<td>(5,543.78)</td>
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<tr>
<td>Interest</td>
<td>2,732.56</td>
<td>(3,418.02)</td>
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<tr>
<td>Capital gains</td>
<td>1,645.41</td>
<td>(5,065.00)</td>
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<tr>
<td>Dijkstra prize</td>
<td>10,330.70</td>
<td>(5,434.57)</td>
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<tr>
<td>ETAPS surplus</td>
<td>15,687.00</td>
<td>(15,687.00)</td>
</tr>
<tr>
<td>Total</td>
<td>61,996.62</td>
<td>(72,049.56)</td>
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### Expenses

<table>
<thead>
<tr>
<th>Description</th>
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<th>(previous)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Bulletins 98 - 100</td>
<td>13,954.50</td>
<td>(11,669.00)</td>
</tr>
<tr>
<td>Awards</td>
<td>2,650.00</td>
<td>(5,790.00)</td>
</tr>
<tr>
<td>Secretary</td>
<td>5,000.00</td>
<td>(5,000.00)</td>
</tr>
<tr>
<td>Treasurer</td>
<td>607.00</td>
<td>(686.48)</td>
</tr>
<tr>
<td>Taxes</td>
<td>410.21</td>
<td>(757.57)</td>
</tr>
<tr>
<td>Provision Dijkstra prize</td>
<td>11,961.74</td>
<td>(6,330.70)</td>
</tr>
<tr>
<td>Provision ETAPS surplus</td>
<td>15,687.00</td>
<td>(15,687.00)</td>
</tr>
<tr>
<td>Total</td>
<td>50,270.45</td>
<td>(45,920.75)</td>
</tr>
</tbody>
</table>
5 ICALP

- **ICALP 2009:** The 36th International Colloquium on Automata, Languages and Programming was again a very successful conference. It was accompanied by the 4 workshops ALGOSENSORS (5th International Workshop on Algorithmic Aspects of Wireless Sensor Networks), DCM (5th International Workshop on Developments in Computational Models), FOCLASA (8th International Workshop on Foundations of Coordination Languages and Software Architectures), and QUANTLOG (Workshop on Quantitative Logics). We have to give thanks to the general chairs Paul Spirakis, Christos Kaklamanis and Elias Koutsoupias and the program chairs Susanne Albers (track A), Wolfgang Thomas (track B) and Alberto Marchetti-Spaccamela in cooperation with Yomi Matias (track C) for the perfect organization of the conference and the excellent choice of the program. The scientific quality was indeed remarkably high. The audience fully enjoyed invited talks by Georg Gottlob, Thomas Henzinger, Kurt Mehlhorn, and Noam Nisan and on Wednesday afternoon a special session to the honour of Christos Papadimitriou (called “spiritual excursion” by Paul Spirakis) with the speakers Richard Karp, László Lóvács, Noam Nisan, Tim Roughgarden, and Mihalis Yannakakis. The EATCS award was presented during the conference to Gérard Huet in recognition of his outstanding scientific contributions to theoretical computer science.

- **ICALP 2010:** This year’s ICALP conference will take place from July 5 to July 12, 2010, in Bordeaux, France. The Conference Chairs Claude Kirchner and Cyril Gavoille, together with their team are doing an excellent job and they are looking forward to meet us in Bordeaux. The scientific program is divided into three tracks: Track A - Algorithms, Complexity and Games (chaired by Pavlos Spirakis), Track B : Logic, Semantics, Automata and Theory of Programming (chaired by Samson Abramsky), and Track C : Foundations of Networked Computation: Models, Algorithms and Information Management (chaired by Friedhelm Meyer auf der Heide). The complete program is ready and can be viewed in detail on the corresponding web site http://icalp10.inria.fr/. It is again an excellent program, both for the high quality of the contributed papers and for the large number of scientific events. The figures are as follows: Track A - Submitted 219, Accepted 60; Track B - Submitted 114, Accepted 30; and Track C - Submitted 53, Accepted 16. The invited talks will be given this year by Pierre Fraigniaud on Informative Labeling Schemes, Jean Goubault-Larrecq on Noetherian Spaces in Verification, Burkhard Monien on Local Search: Simple, Successful, but Sometimes Sluggish, Joel Ouaknine on Towards a Theory of Time-Bounded Verification, Roger Wattenhofer on Physical Algorithms, and by Emo Welzl on When Conflicting Constraints Can be Resolved – the Lovasz Local Lemma and Satisfiability. Moreover, the following satellite workshops will be organized: AlgoGT (Workshop on Algorithmic Game Theory: Dynamics and Convergence in Distributed Systems), DYNAS 2010 (International Workshop on DYnamic Networks, Algorithms and Security), ALGOSENSORS 2010 (International Workshop on Algorithmic Aspects of Wireless Sensor Networks), SDKB 2010 (Semantics in Data and Knowledge Bases), and TERANET (Towards Evolutive Routing Algorithms for scale-free/internet-like NETworks). The
Workshop Chair is Ralf Klasing. A detailed account of the scientific program and logistic organization will be given at the EATCS Council and General Assembly during the conference. A warm thanks goes to all organizers and to the PC and workshop chairs.

- **ICALP 2011**: The organization of ICALP 2011 is progressing well. ICALP 2011 will take place from July 4 to July 8, 2011 in Zurich, Switzerland, and will be organized by the ETH team Michael Hoffmann, Juraj Hromkovic, Ueli Maurer, Angelika Steger, Emo Welzl and Peter Widmayer. In Bordeaux, you will have the opportunity to see the first Call for Papers with the indication of the program committees and the invited speakers. The conference will have the same tracks as this year. The program committees will be chaired by Jiri Sgall (track A), Luca Aceto (track B) and Monika Henzinger (track C).

- **ICALP 2012**: The 39th International Colloquium on Automata, Languages and Programming, (ICALP 2012), will take place from July 9 - 13, 2012, in Warwick and will be part of the celebration for the centennial of the birth of A.M. Turing. The conference chair will be Artur Czumaj from the University of Warwick.

### 6 Other Conferences

During the period under consideration, EATCS has sponsored the following events:

- DLT 2009 - 13th International Conference on Developments in Language Theory
- CiE 2009 - 5th Conference in the Series Computability in Europe
- MFCS 2009 - 34st International Symposium on Mathematical Foundations of Computer Science
- ESA 2009 - 17th Annual European Symposium on Algorithms
- WORDS 2009 - 7th International Conference on Words
- DISC 2009 - 23th International Symposium on Distributed Computing
- ETAPS 2010 - 13th European Joint Conferences on Theory and Practice of Software
- GT-VMT 2010 - 9th International Workshop on Graph Transformation and Visual Modelling Techniques
- CIAC 2010 - 7th International Conference on Algorithms and Complexity
- CiE 2010 - 6th conference of Computer Science, Mathematics and Logic
- WoLLIC 2010 - 17th Workshop on Logic, Language, Information and Computation
7 Publications

During the reporting period, the main publication activities of EATCS are as follows:

The Bulletin (Ed. M. Serna). Numbers 99, 100 and 101 have been published since then, containing a variety of contributions, including refereed papers, news from Australia, India, Ireland, Latin America, New Zealand, as well as the following regular columns:

- The Algorithmic Game Theory Column (M. Mavronicolas)
- The Algorithmic Column (G. Woeginger)
- The Complexity Column (J. Toran)
- The Concurrency Column (L. Aceto)
- The Distributed Computing Column (P. Fatourou)
- The Formal Language Theory Column (A. Salomaa)
- The Formal Specification Column (H. Ehrigh)
- The Logics in Computer Science Column (Y. Gurevich)
- The Natural Computing Column (G. Rozenberg)
- The Programming Languages Column (I. Mackie)
- The Security Column (J. Guttman)
- The Puzzle Corner (L. Rosaz)

Since issue 90 the EATCS Bulletin is freely accessible on-line through EATCS web site. The 101 issue of the Bulletin has been fully electronically published using the Open Journal System.

ICALP Proceedings. As you know the Proceedings of ICALP 2009 was the first volume that appeared in the new subline of LNCS called ARCoSS (Advanced Research in Computing and Software Science). The Proceedings of ICALP 2010 will also be published in this series of Springer. Nevertheless, the discussion regarding “open access publishing initiatives” is still ongoing in our community and therefore the council has approved to run a poll among all EATCS members to get a more differentiated opinion picture on this issue. The results of this “Poll on Open Access” are available at the members-only area of the EATCS web site. At the Council Meeting in Bordeaux we will have to discuss the outcome of the poll and to make a decision how to proceed with the ICALP Proceedings.
EATCS series of books. The following titles have been published in the last 12 months by Springer in the two EATCS series Texts and Monographs in Theoretical Computer Science.

- EATCS Monographs:


- EATCS Texts:


8 EATCS Secretary Office

During the reporting period, the main activities of the EATCS Secretary office were as follows:

Web site Relaunch. The page layout of the homepage was restructured to put more emphasis on the news section (in a blog style). Banners were created to advertise the EATCS sponsored events. The structure of the other pages was also reorganized in order to reduce the height of the document tree. Finally, the internal section was restructured to provide all the necessary information in a much simpler way.

Italian Chapter. In cooperation with the Italian Chapter, the web site was transferred to EATCS Secretary Office facilities. The pages were integrated under the main web site.

Council Elections. This year, the term of office of the ten Council members that were elected in 2005 expired. The electronic Council Election of new members took place from September 7th at 00:00:00 CET until October 6th at 24:00:00 CET. In order to increase participation, the deadline was extended until October 20th at 24:00:00 CET. During this extended period of 2 weeks, a total of 115 extra ballots were received for a grand total of 278 votes. The results of the election were published on the web site and broadcasted via the members mailing list.

Young Researchers. A new category of members has been created in an attempt to approach young researchers by supporting and encouraging them to become members. The privileges are the following:

- Database for PhD thesis
- Employment opportunities/announcements at Young Researchers area
- Reduced registration fees at various conferences
- Reciprocity agreements with other organizations
• 25% discount to purchasing ICALP proceedings
• 25% discount to purchasing books from “EATCS Monographs” and “EATCS Texts”
• About 70% discount (equals about US$ 800) per annual subscription to “Theoretical Computer Science”.
• About 70% discount (equals about US$ 200) per individual annual subscription to “Fundamenta Informaticae”.
• The member fee are EUR 30 for a period of two years.

In addition to the above, a special section called “Young researchers’ area” was created on the web site for announcing postdoc and research positions. A total of 49 announcements have been posted from 29/1/2010 until 21/6/2010.

We contacted all members via mail to encourage those which are “Young researchers” to contact us in order to benefit from the privileges.

Poll on Open Access. The web site hosted the poll of the Publication Committee. Each member was able to express his or her feelings with respect to the given questionnaire. Two reminders of the deadline were mailed to the members which did not voted. A total of 239 members participated in the poll. The results of the poll were published at the internal section of the web site.

Membership Expiration Reminders. Membership expiration reminders have been streamlined during the reported period. Three times (August 2009, December 2009 and April 2010), we have queried the database and informed members of the expiration of their membership.

9 Acknowledgments

In conclusion, I wish to thank for his precious help our Secretary Ioannis Chatzigiannakis and the whole team that is supporting EATCS Secretarial Office at CTI in Patras.