

EATCS ANNUAL REPORT

July 2005–June 2006

1 Introduction

This document is a Report of the activities of the European Association for Theoretical Computer Science during the period between ICALP-2005 and ICALP-2006. The main purpose of the document is that the EATCS members become acquainted with the basic facts about EATCS to be presented in the General Assembly during ICALP-2006 in Venice.

2 Awards

EATCS has sponsored the following awards:

- The **EATCS Award 2006** to Professor Mike Paterson, University of Warwick, in recognition of his outstanding scientific contributions to theoretical computer science
- The **Gödel Prize-2006** co-sponsored by EATCS and ACM SIGACT to Manindra Agrawal, Neeraj Kayal, and Nitin Saxena for their paper: PRIMES is in P, *Annals of Mathematics* 160, no. 2 (2004), 781–793
- The **EATCS Best Paper Awards** at the International Colloquium on Automata, Languages, and Programming 2006, ICALP'06, to the following papers:
 - Track A:** Martin Dyer, Leslie Ann Goldberg and Mike Paterson: On counting homomorphisms to directed acyclic graphs
 - Track B:** Filip Murlak: The Wadge Hierarchy of Deterministic Tree Languages
 - Track C:** Iftach Haitner, Danny Harnik and Omer Reingold: Efficient Pseudorandom Generators from Exponentially Hard One-Way Functions
- The **EATCS Best Student Paper Award** at the International Colloquium on Automata, Languages, and Programming 2006, ICALP'06, to Qiqi Yan: Lower Bounds for Complementation of omega-Automata via the Full Automata Technique

- The **EATCS Best Paper Award** for the best theoretical paper at the European Joint Conferences on Theory and Practice of Software 2006, ETAPS'06, to Lutz Schröder: A Finite Model Construction for Coalgebraic Modal Logic
- The **EATCS Best Student Paper Award** at the European Symposium on Algorithms 2005, ESA'05, to Piotr Sankowski: Shortest Paths in Matrix Multiplication Time

3 EATCS: Financial Overview

June 24, 2005	€
Securities	83.112,71
Savings acc.	10.082,19
Cash acc.	26.852,62
Total	120.047,52

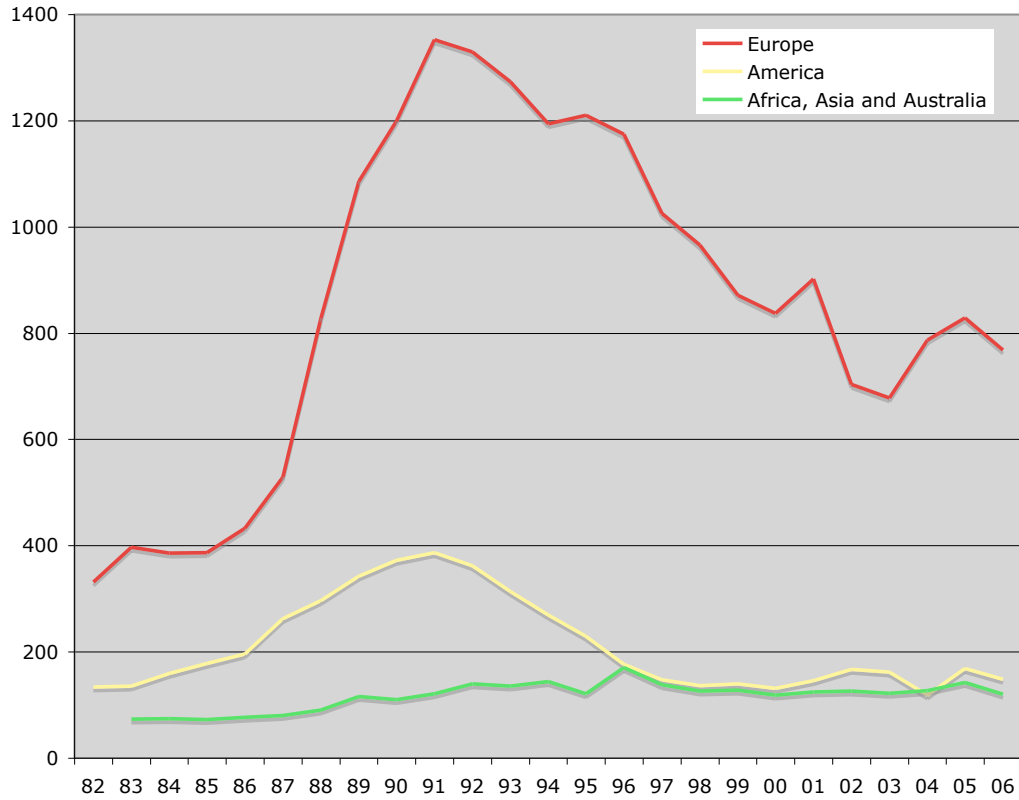
June 23, 2006	€
Securities	48.075,64
Savings acc.	10.247,85
Cash acc.	62.321,48
Total	120.644,97
Balance	+597,45

EATCS: Financial overview
June 24, 2005 - June 23, 2005

Income	€	(previous)
Members	22.583,15	(37.731,39)
Sponsors	2.000,00	(3.805,73)
Interest	2.594,92	(3.657,84)
Springer	3.522,57	(5.567,55)
Total	30.700,64	(50.762,51)

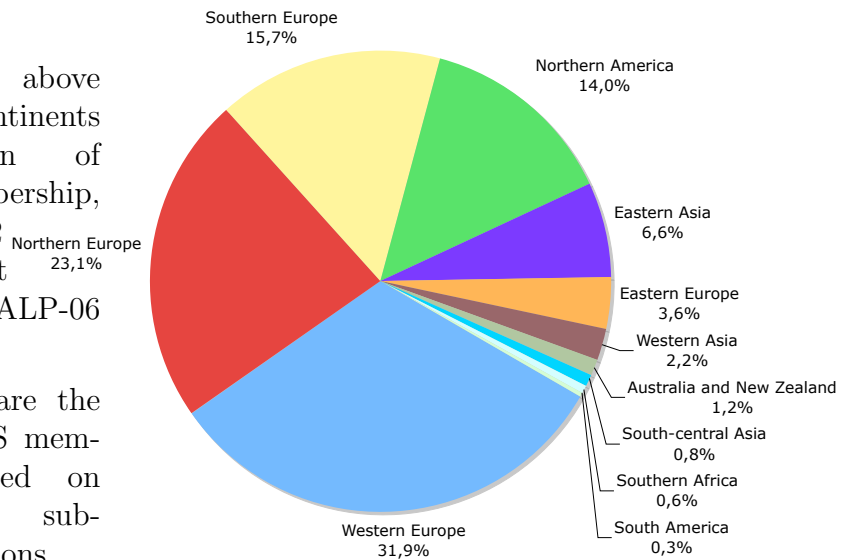
Expenses	€	(previous)
Printing	15.254,59	(13.038,14)
Postage, handling	11.644,83	(11.246,43)
Awards	2.585,22	(2.493,00)
Treasurer	148,21	(53,00)
Taxes	470,34	(300,19)
Total	30.103,19	(27.130,76)

4 Membership



The graphics above shows by continents the evolution of EATCS' membership, from ICALP-82 until today (not counting ICALP-06 registrations).

To the right are the current EATCS members distributed on geographical sub-continental regions.



Current members of EATCS

Total			1036
Europe			768
Germany	150	Hungary	7
United Kingdom	144	Poland	6
France	119	Iceland	4
Italy	102	Russian Federation	4
Finland	35	Norway	4
Denmark	26	Ireland	3
Spain	24	Estonia	3
Netherlands	24	Slovakia	3
Sweden	19	Croatia	2
Portugal	17	Latvia	1
Greece	15	Moldova	1
Czech Republic	14	Slovenia	1
Belgium	13	Romania	1
Switzerland	13	Bulgaria	1
Austria	11	Serbia and Montenegro	1
America			148
United States of America	115	Brazil	3
Canada	30		
Africa, Asia and Australia			120
Japan	59	Oman	2
Israel	17	New Caledonia	1
India	8	China	1
Australia	7	Nigeria	1
South Africa	5	Singapore	1
New Zealand	5	Botswana	1
Hong Kong	4	Kuwait	1
South Korea	3	Taiwan	1
Cyprus	3		

5 Conferences

During the period under consideration, EATCS has sponsored its conference ICALP-05 in Lisbon. During the same period EATCS has also co-sponsored the following events:

- CIAA 2005, Tenth International Conference on Implementation and Application of Automata Sophia Antipolis, France, June, 2005
- WoLLIC'2005 12th Workshop on Logic, Language, Information and Computation, Santa Catarina, Brazil, July, 2005
- ACM-SIGPLAN International Conference on Principles and Practice of Declarative Programming, Lisbon, Portugal, July, 2005
- DLT 2005, Ninth International Conference on Developments in Language Theory, Palermo, Italy, July, 2005
- MFCS 2005, 30th International Symposium on Mathematical Foundations of Computer Science, Gdansk, Poland August-September, 2005
- ICTCS 2005, Ninth Italian Conference on Theoretical Computer Science, Siena, Italy, October 2005
- ESA 2005, 13th Annual European Symposium on Algorithms Mallorca, Spain, October, 2005
- HiPC 2005, 12th Annual International Conference on High Performance Computing, Goa, India, December, 2005
- BCTCS 2005, 22nd British Colloquium for Theoretical Computer Science, Swansea, UK, April 2006
- ETAPS 2006, European Joint Conferences on Theory and Practice of Software, Vienna, Austria, March-April, 2006
- SFM-06: HV, 5th International School on Formal Methods for the Design of Computer, Communication and Software Systems: Hardware Verification, Bertinoro, Italy, May, 2006
- 10th International Conference on Developments in Language Theory, Santa Barbara, USA, June, 2006
- DCOSS 2006, 2nd International Conference on Distributed Computing in Sensor Systems, San Francisco, USA, June, 2006

- CiE 2006, Computability in Europe 2006 Swansea, UK June-July, 2006
- CCC'06, 21st Annual IEEE Computational Complexity Conference, Prague, Czech Republic, July, 2006
- ICATPN 2006, 27th International Conference On Application and Theory of Petri Nets and Other Models of Concurrency, Turku, Finland, June, 2006

6 Publications

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

The Bulletin (Ed. V. Sassone) Numbers 87, 88 and 89 have been published, 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 Complexity Column (J. Toran)
- The Formal Specification Column (H. Ehrigh)
- The Logic in Computer Science Column (Y. Gurevich)
- The Concurrency Column (L. Aceto)
- The Formal Language Theory Column (A. Salomaa)
- The Natural Computing Column (G. Rozenberg)
- The Distributed Computing Column (M. Mavronicolas)
- The Security Column (J. Guttman)
- The Programming Languages Column (I. Mackie)
- The Algorithmics Column (G. Woeginger)
- The Puzzle Corner (L. Rosaz)
- The Board Games Series (S.U. Khan and I. Ahmad)

EATCS Texts The following titles have been published by Springer in the EATCS Texts in Theoretical Computer Science:

- Frank Drewes: Grammatical Picture Generation – A Tree-Based Approach, 2006, 474 p
- Jörg Flum and Martin Grohe: Parameterized Complexity Theory, 2006, 493 p

- Dines Bjørner: Software Engineering 1 – Abstraction and Modelling, 2006, 714 p
- Dines Bjørner: Software Engineering 2 – Abstraction and Modelling, 2006, 780 p
- Dines Bjørner: Software Engineering 3 – Abstraction and Modelling, 2006, 766 p

EATCS Monographs The following title has been published by Springer in the EATCS Monographs in Theoretical Computer Science:

- Hartmut Ehrig et al.: Fundamentals of Algebraic Graph Transformation, 2006, 388 p