

EATCS ANNUAL REPORT

July 2003–June 2004

1 Introduction

This document is a Report of the activities of the European Association for Theoretical Computer Science during the period between ICALP-2003 and ICALP-2004. 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-2004 in Turku.

2 Awards

EATCS has sponsored the following awards:

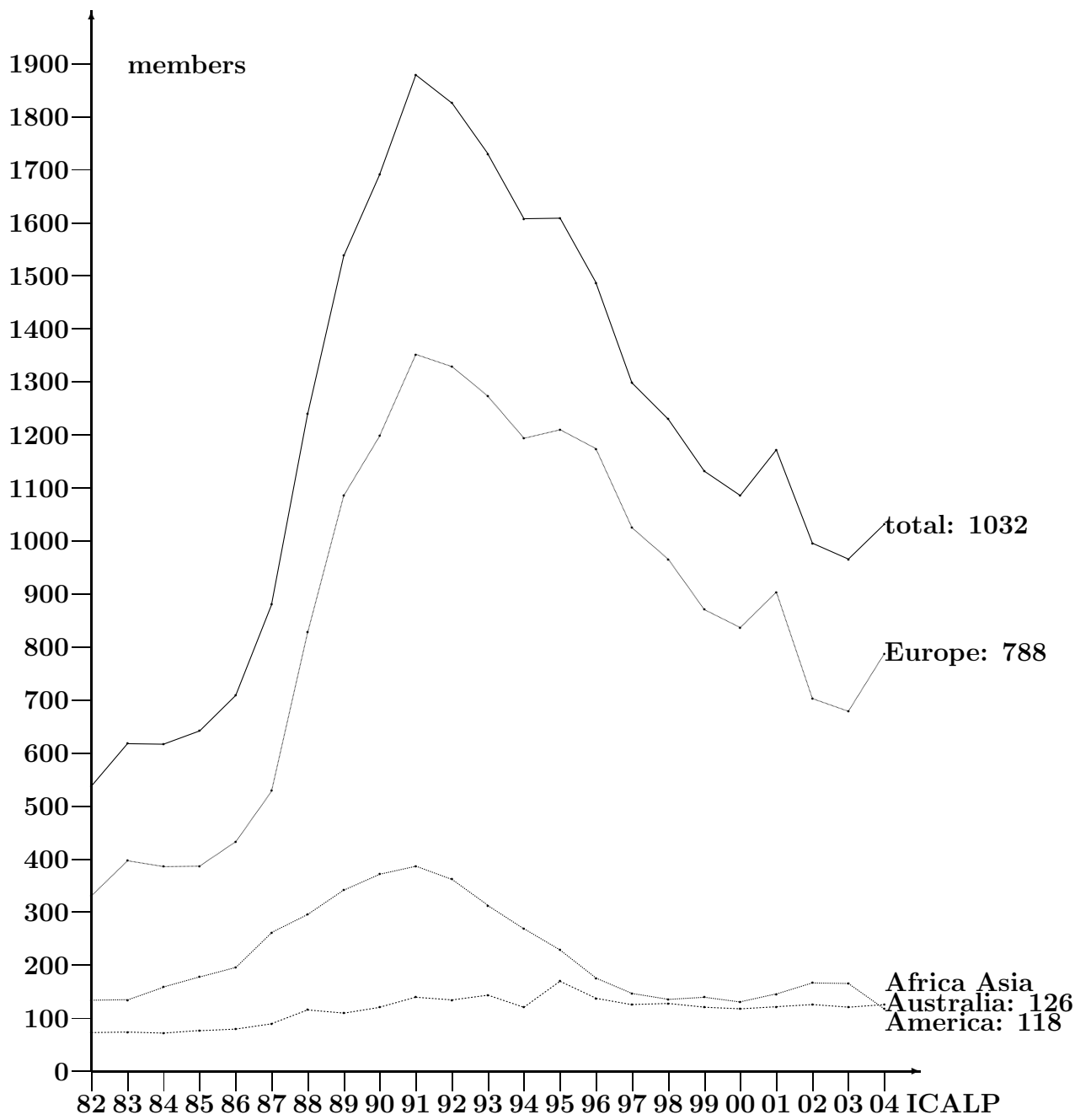
- The **EATCS Award 2004** to Professor Arto Salomaa in recognition of his outstanding scientific contributions to theoretical computer science
- The **EATCS Best Paper Awards** at the ICALP-2004 conference to the following papers:
 - Track A:** Christoph Dürr, Mark Heiligman, Peter Høyer, and Mehdi Mhalla: Quantum query complexity of some graph problems
 - Track B:** Mikolaj Bojanczyk and Thomas Colcombe: Tree-Walking Automata Cannot Be Determinized
- The **EATCS Best Student Paper Awards** at the ICALP-2004 conference to the following papers:
 - Track A:** Ryan Williams: A new algorithm for optimal constraint satisfaction and its implications
 - Track B:** Olivier Serre: Games With Winning Conditions of High Borel Complexity
- The **EATCS Best Paper Award** for the best theoretical paper at ETAPS-2004 to Daniel Kirsten: Distance Desert Automata and the Star Height One Problem
- The **Gödel Prize-2004** co-sponsored by EATCS and ACM SIGACT to the following papers:

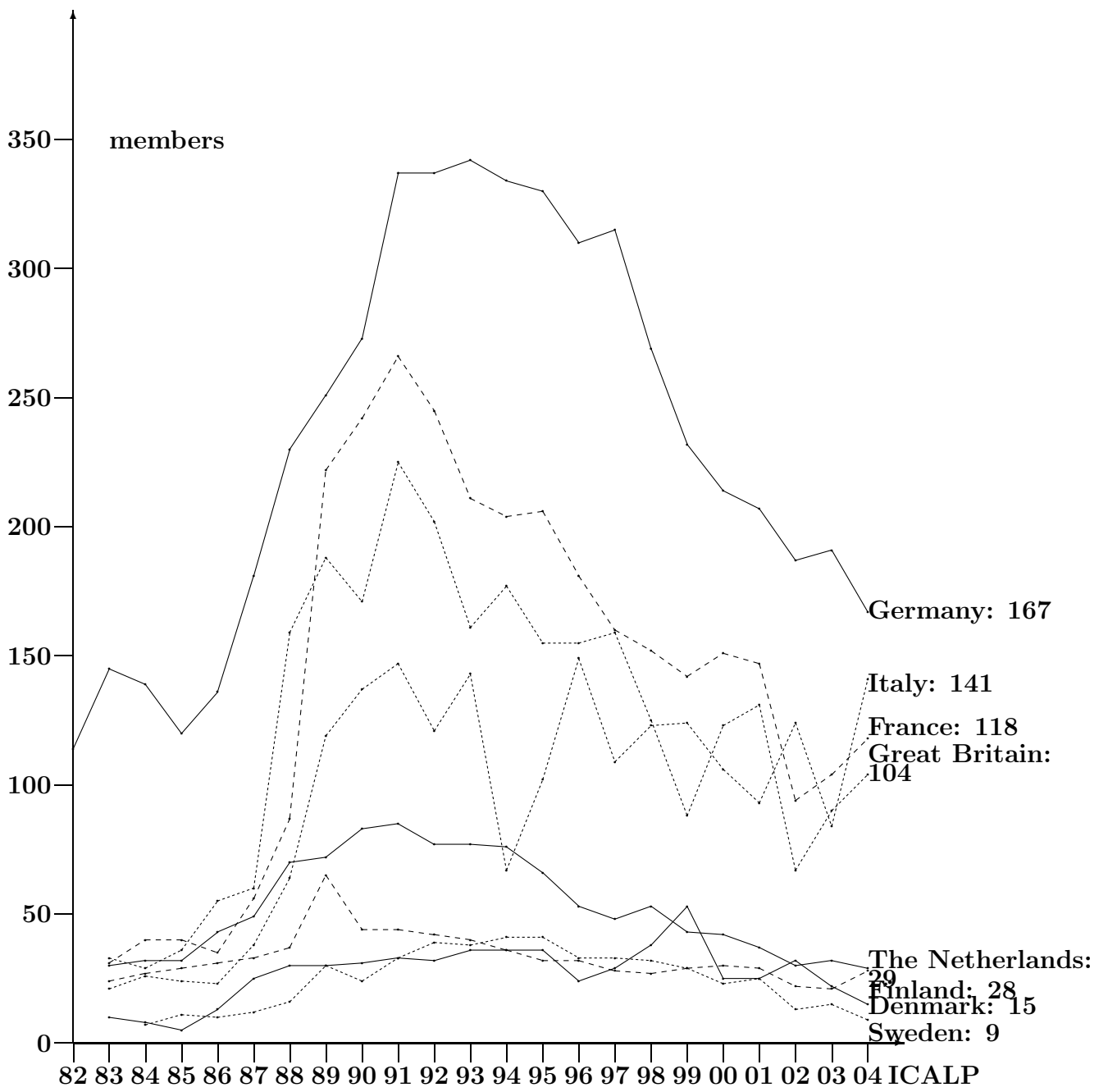
Maurice Herlihy and Nir Shavit: The Topological Structure of Asynchronous Computability, *Journal of the ACM*, Volume 46, Issue 6 (1999), and

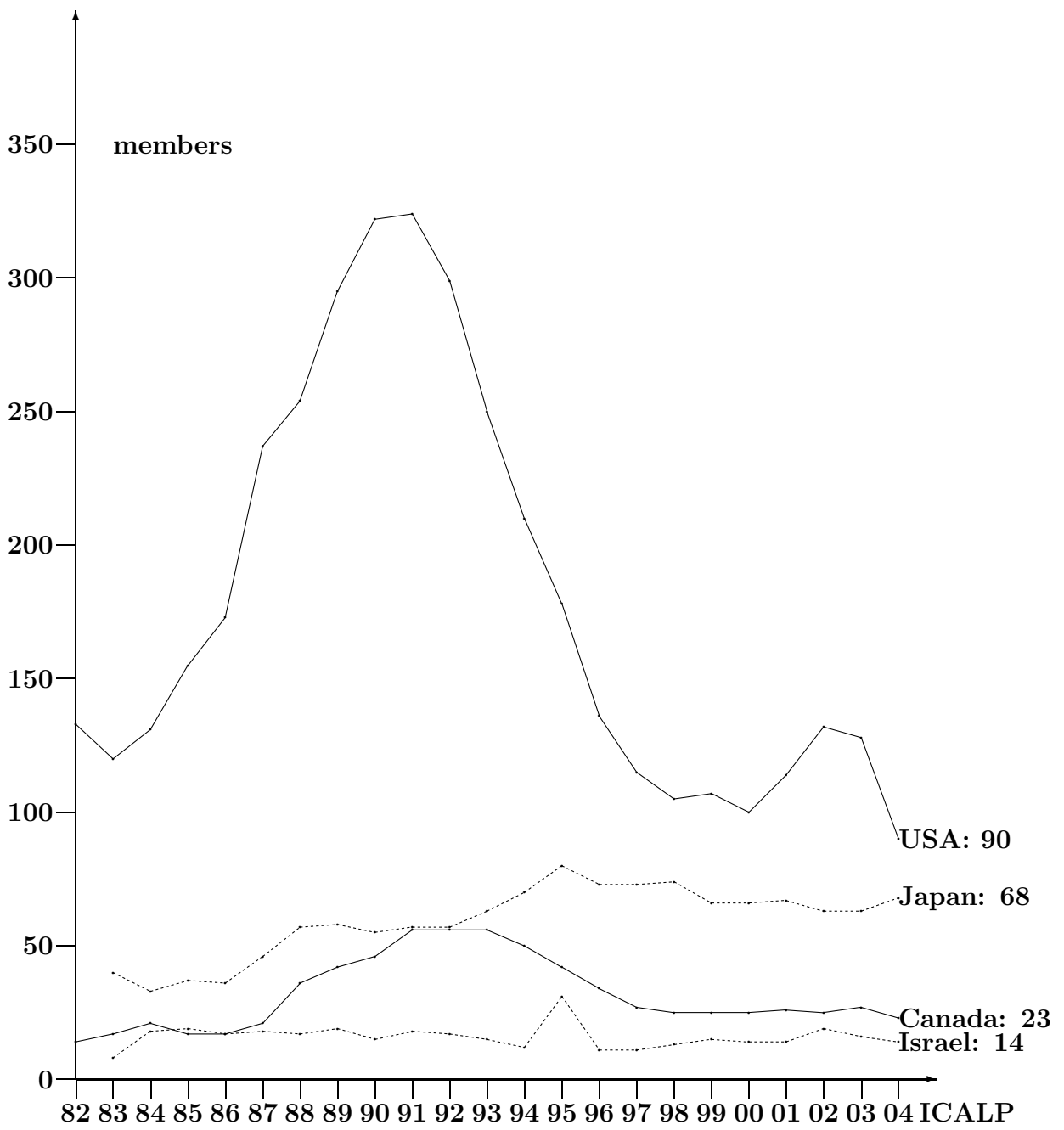
Michael Saks and Fotios Zaharoglou: Wait-Free k -Set Agreement is Impossible: The Topology of Public Knowledge, *SIAM Journal on Computing*, Volume 29, Number 5 (2000)

3 Membership

In the following pages, we present graphics about the evolution of EATCS' membership, from ICALP-82 until today (before counting the new registrations at ICALP-04). The first graphic displays the membership by continents. The second graphic, displays the membership of the European countries. The third one shows the evolution of the membership in the USA, Japan, Canada and Israel.







Members of EATCS

Total:		1032
Europe:		788
Germany:	167	Rumania: 9
Italy:	141	Sweden: 9
France:	118	Hungary: 8
Great Britain:	104	Slovak Republic: 8
The Netherlands:	29	Norway: 7
CIS:	28	Bulgaria: 4
Finland:	28	Poland: 4
Spain:	25	Ireland: 4
Denmark:	15	Ukraine: 3
Switzerland:	14	Latvia: 3
Belgium:	12	Estonia: 3
Greece:	11	Lithuania: 1
Czech Republic:	10	Georgia: 1
Austria:	10	Yugoslavia: 1
Portugal:	10	Slovenia: 1
America:		118
USA:	90	Chile: 1
Canada:	23	Uruguay: 1
Brazil:	3	
Africa, Asia and Australia:		126
Japan:	68	Hong Kong: 2
Israel:	14	Singapore: 2
China:	10	DR Vietnam: 1
India:	7	Turkey: 1
Republic of South Korea:	7	Cyprus: 1
South Africa:	4	Kuwait: 1
New Zealand:	4	Reunion: 1
Australia:	3	

Members of EATCS per million

Europe:		0.985	
Finland:	5.714	Greece:	1.111
Denmark:	2.941	Sweden:	1.084
Italy:	2.482	Czech Republic:	0.962
France:	2.169	Hungary:	0.748
Switzerland:	2.166	Spain:	0.654
Germany:	2.130	Slovenia:	0.508
The Netherlands:	2.014	Portugal:	0.500
Estonia:	1.987	Bulgaria:	0.443
Great Britain:	1.864	Rumania:	0.398
Norway:	1.707	Georgia:	0.323
Slovak Republic:	1.538	Lithuania:	0.286
Austria:	1.325	Poland:	0.109
Belgium:	1.212	CIS:	0.103
Latvia:	1.167	Yugoslavia:	0.102
Ireland:	1.133	Ukraine:	0.058
America:		0.182	
Canada:	0.924	Chile:	0.086
USA:	0.384	Brazil:	0.023
Uruguay:	0.323		
Africa, Asia and Australia:		0.040	
Israel:	3.423	Australia:	0.195
Cyprus:	1.377	Republic of South Korea:	0.174
New Zealand:	1.250	South Africa:	0.129
Reunion:	1.000	Turkey:	0.021
Singapore:	0.800	DR Vietnam:	0.017
Kuwait:	0.625	China:	0.010
Japan:	0.570	India:	0.010
Hong Kong:	0.392		

4 Financial Overview

june 17, 2003	€
Securities	62.601,29
Savings acc.	12.627,86
Cash acc.	20.805,10
Total	96.034,25

june 11, 2004	€
Securities	64.000,89
Savings acc.	12.863,54
Cash acc.	19.551,34
Total	96.415,77
Balance	+381,52

June 17, 2003 – June 11, 2004

Income	€	(previous)
Members	25.120,82	(21.964,44)
Sponsors	3.887,00	(4.910,52)
Interest	2.278,36	(1.403,11)
Springer	4.611,57	(6.887,14)
Total	35.897,75	(35.165,21)

Expenses	€	(previous)
Printing	18.271,45	(18.275,83)
Mailing	14.169,64	(20.895,74)
Awards	995,00	(800,00)
Bulletin Editor	900	(900,00)
Treasurer	137,26	(164,93)
Tax	516,92	(1.606,46)
ICALP sattelites	525,96	(-)
Total	35.516,23	(42.642,96)

5 Conferences

During the period under consideration, EATCS has sponsored its conference ICALP-03 in Eindhoven. During the same period EATCS has also co-sponsored the following events:

- FGC 2003, 2nd EATCS Workshop on Foundations of Global Computing, Eindhoven, The Netherlands, June 2003
- RDP'03 Federated Conference on Rewriting, Deduction and Programming Valencia, Spain, June, 2003
- DNA9, Ninth International Meeting on DNA Based Computers Madison, Wisconsin, USA, June, 2003
- DLT 2003, 7th International Conference on Developments in Language Theory, Szeged, Hungary, July, 2003
- Complexity 2003 (CCC) 18th IEEE Conference on Computational Complexity Aarhus, Denmark, July, 2003
- WoLLIC'2003, 10th Workshop on Logic, Language, Information and Computation Minas Gerais, Brazil July/August, 2003

- MFCS 2003, 28th International Symposium on Mathematical Foundations of Computer Science, Bratislava, Slovak Republic, August , 2003
- ESA 2003, 11th Annual European Symposium on Algorithms Budapest, Hungary, September, 2003
- SFM-03:SA, 3rd International School on Formal Methods for the Design of Computer, Communication and Software Systems: Software Architecture, Bertinoro, Italy, September 2003
- ICTCS 2003, Eighth Italian Conference on Theoretical Computer Science, Bertinoro, Italy, October 2003
- DISC 2003, 17th International Symposium on Distributed Computing, Sorrento, Italy, October, 2003
- HiPC 2003, 10th International Conference on High Performance Computing, Hyderabad, India, December, 2003
- FoIKS 2004, Foundations of Information & Knowledge Systems, 3rd International Symposium Vienna, Austria, February , 2004
- European Joint Conferences on Theory and Practice of Software, Barcelona, March/April, 2004
- BCTCS 2004, 20th British Colloquium for Theoretical Computer Science, Pitlochry, Scotland, April, 2004
- WEA 2004, III Workshop on Efficient and Experimental Algorithms, Rio de Janeiro, Brazil May, 2004
- SPAA 2004, Sixteenth ACM Symposium on Parallelism in Algorithms and Architectures, Barcelona, Spain, June, 2004
- ICATPN 2004, 25th International Conference on Applications and Theory of Petri Nets, Bologna, Italy, June, 2004
- 16'th ACM Symposium on Parallelism in Algorithms and Architectures, Barcelona, Spain, June, 2004
- 11th Colloquium on Structural Information and Communication Complexity, SIROCCO, Slovakia, June, 2004

6 Publications

During the period under consideration, the report of the three main publication activities sponsored by EATCS is the following:

The Bulletin (Ed. V. Sassone) Numbers 81, 82 and 83 have been published. The following regular columns are included:

- The Complexity Column (L. Fortnow and 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 Algorithmics Column (J. Díaz)
- Educational Matters (H-J. Kreowski)
- The Security Column (J.D. Guttman)

Springer EATCS Monographs

- Zhou and Hansen: Duration Calculus: A Formal Approach to Real-Time Systems
- Fink and Wood: Restricted-Orientation Convexity
- Große-Rhode: Semantic Integration of Heterogeneous Software Specifications

Springer EATCS Texts

- Bertot and Castéran: Interactive Theorem Proving and Program Development
- Hromkovic: Theoretical Computer Science
- Libkin: Elements of Finite Model Theory
- Ronchi Della Rocca and Paolini: The Parametric Lambda Calculus
- Schneider: Verification of Reactive Systems

Theoretical Computer Science

During the period July 2003 to June 2004, Elsevier has published the journal from volume 304 to volume 321.