European

Association for

Theoretical

Computer

Science

E **A** **T** **C** **S**

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EATCS

HISTORY AND ORGANIZATION

EATCS is an international organization founded in 1972. Its aim is to facilitate the exchange of ideas and results among theoretical computer scientists as well as to stimulate cooperation between the theoretical and the practical community in computer science.

Its activities are coordinated by the Council of EATCS, out of which a President, Vice Presidents, a Treasurer and a Secretary are elected. Policy guidelines are determined by the Council and the General Assembly of EATCS. This assembly is scheduled to take place during the annual **I**nternational **C**olloquium on **A**utomata, **L**anguages and **P**rogramming (ICALP), the conference of EATCS.

MAJOR ACTIVITIES OF EATCS

- Organization of ICALP's
- Publication of the "Bulletin of the EATCS"
- Publication of the "EATCS Monographs" and "EATCS Texts"
- Publication of the journal "Theoretical Computer Science"
- Other activities of EATCS include the sponsorship or the cooperation in the organization of various more specialized meetings in theoretical computer science. Among such meetings are:

CAAP (Colloquium on Trees in Algebra and Programming), TAPSOFT (Conference on Theory and Practice of Software Development), STACS (Symposium on Theoretical Aspects of Computer Science), MFCS (Mathematical Foundations of Computer Science), LICS (Logic in Computer Science), Conference on Structure in Complexity Theory, SPAA (Symposium on Parallel Algorithms and Architectures), Workshop on Graph Theoretic Concepts in Computer Science, International Conference on Application and Theory of Petri Nets, International Conference on Database Theory, Workshop on Graph Grammars and their Applications in Computer Science.

BENEFITS

Benefits offered by EATCS include:
- Receiving the "Bulletin of the EATCS" (over 1000 pages per year)
- Reduced registration fees at various conferences
- Reciprocity agreements with other organizations
- 25% discount in purchasing ICALP proceedings
- 25% discount in 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".

(1) THE ICALP CONFERENCE

ICALP is an international conference covering all aspects of theoretical computer science and now customarily taking place during the second or third week of July.

Typical topics discussed during recent ICALP conferences are: computability, automata theory, formal language theory, analysis of algorithms, computational complexity, mathematical aspects of programming language definition, logic and semantics of programming languages, foundations of logic programming, theorem proving, software specification, computational geometry, data types and data structures, theory of data bases and knowledge based systems, cryptography, VLSI structures, parallel and distributed computing, models of concurrency and robotics.

Sites of ICALP meetings:

- Paris, France 1972
- Saarbrücken, Germany 1974
- Edinburgh, Great Britain 1976
- Turku, Finland 1977
- Udine, Italy 1978
- Graz, Austria 1979
- Noordwijkerhout, The Netherlands 1980
- Haifa, Israel 1981
- Aarhus, Denmark 1982
- Barcelona, Spain 1983
- Antwerp, Belgium 1984
- Nafplion, Greece 1985
- Rennes, France 1986
- Karlsruhe, Germany 1987
- Tampere, Finland 1988
- Stresa, Italy 1989
- Warwick, Great Britain 1990
- Madrid, Spain 1991
- Wien, Austria 1992
- Lund, Sweden 1993
- Jerusalem, Israel 1994
- Szeged, Hungary 1995
- Paderborn, Germany 1996
- Bologne, Italy 1997
- Aalborg, Denmark 1998
- Prague, Czech Republic 1999

(2) THE BULLETIN OF THE EATCS

Three issues of the Bulletin are published annually appearing in February, June and October respectively.

The Bulletin is a medium for *rapid* publication and wide distribution of material such as:

- EATCS matters
- Information about the current ICALP
- Technical contributions
- Columns
- Surveys and tutorials
- Reports on conferences
- Calendar of events
- Reports on computer science departments and institutes
- Listings of technical reports and publications
- Book reviews
- Open problems and solutions
- Abstracts of Ph.D.Theses
- Information on visitors at various institutions
- Entertaining contributions and pictures related to computer science.

Contributions to any of the above areas are solicited. All written contributions should be sent to the Bulletin Editor:

Prof.Dr. G. Rozenberg
Dept. of Mathematics and Computer Science, University of Leiden
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Email: rozenber@wi.leidenuniv.nl
Fax: +31-71-5276985

Deadlines for submissions to reach the Bulletin Editor are: January 15, May 15 and September 15 for the February, June and October issue respectively.

All pictures (preferably black and white) including text of what they are showing should be sent to the Picture Editor:

Prof.Dr. M. Kudlek
University of Hamburg
Department of Computer Science
Vogt-Köln Strasse 30
D-22527 Hamburg, Germany

Deadlines are 2 weeks *before* those for written contributions, indicated above.

(3) EATCS MONOGRAPHS AND TEXTS

This is a series of monographs published by Springer-Verlag and launched during ICALP 1984; more than 30 volumes appeared over 10 years. The series includes monographs in all areas of theoretical computer science, such as the areas considered for ICALPs. Books published in this series present original research or material of interest to the research community and graduate students. Each volume is normally a uniform monograph rather than a compendium of articles. The series also contains high-level presentations of special topics. Nevertheless, as research and teaching usually go hand in hand, these volumes may still be useful as textbooks, too. Text published in this series are intended mostly for the graduate level. Typically, an undergraduate background in computer science is assumed. However, the background required may vary from topic to topic, and some books may be self-contained. The texts cover both modern and classical areas with an innovative approach that may give them additional value as monographs. Most books in this series will have examples and exercises.

Texts in Theoretical Computer Science. An EATCS Series

The editors of the series are W. Brauer (Munich), G. Rozenberg (Leiden), and A. Salomaa (Turku). Potential authors should contact one of the editors. The advisory board consists of G. Ausiello (Rome), S. Even (Haifa), J. Hartmanis (Ithaca), N. Jones (Copenhagen), M. Nivat (Paris), C. Papadimitriou (Athens and San Diego), and D. Scott (Pittsburgh).

EATCS Monographs and Texts is a very important EATCS activity and its success depends largely on our members. If you are a potential author or know one please contact one of the editors.

An EATCS member can purchase books from the series with 25% discount. Your order should be sent to:

Prof.Dr. G. Rozenberg
Dept. of Mathematics and Computer Science, University of Leiden
P.O. Box 9512, 2300 RA Leiden, The Netherlands

who after acknowledging your EATCS membership forwards the order for further processing to Springer Verlag – they handle the whole matter further on.

Updated information about the series can be obtained from the publisher, Springer-Verlag.

(4) THEORETICAL COMPUTER SCIENCE

The journal *Theoretical Computer Science*, founded in 1975, is published by Elsevier Science Publishers, Amsterdam, currently in 17 volumes (34 issues) a year.

Its contents are mathematical and abstract in spirit, but it derives its motivation from practical and everyday computation. Its aim is to understand the nature of computation and, as a consequence of this understanding, provide more efficient methodologies.

All kinds of papers, introducing or studying mathematical, logical and formal concepts and methods are welcome, provided that their motivation is clearly drawn from the field of computing.

Papers published in *TCS* are grouped in two sections according to their nature. One section, "Algorithms, automata, complexity and games", is devoted to the study of algorithms and their complexity using analytical, combinatorial or probabilistic methods. It includes the whole fields of abstract complexity (i.e., all the results about the hierarchies that can be defined using Turing machines), of automata and language theory (including automata on infinite words and infinitary languages), of geometrical (graphic) applications and of system performance using statistical models.

A subsection is the Mathematical Games Section, which is devoted to the mathematical and computational analysis of games.

The other section, "Logic, semantics and theory of programming", is devoted to formal methods to check properties of programs or implement formally described languages; it contains all papers dealing with semantics of sequential and parallel programming languages. All formal methods treating these problems are published in this section, including rewriting techniques, abstract data types, automatic theorem proving, calculi such as SCP or CCS, Petri nets, new logic calculi and developments in categorical methods.

The editor-in-chief of "Theoretical Computer Science" is:
Prof.M. Nivat
26 rue du Poitou, 94550 Chevilly-Larue, France

ADDITIONAL INFORMATION

Please contact the Secretary of EATCS:
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or see http://www.wi.leidenuniv.nl/home/beatcs

DUES

The dues are DM 45.– (or US$ 33.–) for a period of one year. If the initial membership payment is received in the period December 21 – April 20, April 21 – August 20 or August 21 – December 20, then the first membership year will start on June 1, October 1 or February 1, respectively. Every contribution payment continues the membership for the same time period.
Additional DM 24.– (or US$ 17.–) fee is required for ensuring the *air mail* delivery of the EATCS Bulletin outside Europe.

HOW TO JOIN EATCS

To join, send the annual dues, or a multiple thereof (to cover a number of years), **to the Treasurer** of EATCS:

Prof.Dr. D. Janssens
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Universiteitsplein, 1
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Email: dmjans@uia.ua.ac.be
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The dues can be paid (in order of preference) by VISA or EUROCARD/ MASTERCARD credit card, by cheques in DM or US \$, cheques in other currency, DM or US \$ cash, or other currency cash. When submitting your payment, please make sure to indicate your complete name and address. For this purpose you may use the form below.
Transfers of larger amounts may be made via the following bank account, on the condition that an additional DM 8.– (or US \$ 6.–) is paid for each transfer to cover the bank charges. If you use this way of payment, please send the necessary information (reason for the payment, name and address) to the treasurer. Our account is:
Generale Bank Antwerpen
Antwerp (Wilrijk), Belgium
Account number: 220–0596350–30–01130

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.... as membership fee for .... years (and .... for air mail delivery)

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☐ EUROCARD/MASTERCARD ☐ VISA

....
Date/Signature Address (if different from EATCS mailing address below)

☐ Check Enclosed ☐ Transfered to EATCS account ☐ Cash Enclosed

Name: First name:

Address:

Date: Signature: