

LATA 2010

May 24-28, 2010 – Trier, Germany

Call for Papers

AIMS

LATA is a yearly conference in theoretical computer science and its applications. Continuing its history, LATA 2010 will reserve significant room for young scholars. It will aim at attracting contributions from both classical theory fields and application areas (bioinformatics, systems biology, language technology, artificial intelligence, etc.).

SCOPE

Topics of either theoretical or applied interest include, but are not limited to:

- algebraic language theory
- algorithms on automata and words
- automata and logic
- automata for system analysis and program verification
- automata, concurrency and Petri nets
- cellular automata
- combinatorics on words
- computability
- computational complexity
- computer linguistics
- data and image compression
- decidability questions on words and languages
- descriptive complexity
- DNA and other models of bio-inspired computing
- document engineering
- foundations of finite state technology
- fuzzy and rough languages
- grammars (Chomsky hierarchy, contextual, multidimensional, unification, categorial, etc.)
- grammars and automata architectures



- grammatical inference and algorithmic learning
- graphs and graph transformation
- language varieties and semigroups
- language-based cryptography
- language-theoretic foundations of artificial intelligence and artificial life
- neural networks
- parallel and regulated rewriting
- parsing
- pattern matching and pattern recognition
- patterns and codes
- power series
- quantum, chemical and optical computing
- semantics
- string and combinatorial issues in computational biology and bioinformatics
- symbolic dynamics
- term rewriting
- text algorithms
- text retrieval
- transducers
- trees, tree languages and tree machines
- weighted machines

INVITED SPEAKERS

John Brzozowski (Waterloo)
Alexander Clark (London)
Borivoj Melichar (Prague)
Anca Muscholl (Bordeaux)

PROGRAMME COMMITTEE

Alberto Apostolico (Atlanta)
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Jürgen Dassow (Magdeburg)
Volker Diekert (Stuttgart)
Rodney G. Downey (Wellington)
Frank Drewes (Umea)
Henning Fernau (Trier, co-chair)
Rusins Freivalds (Riga)
Rudolf Freund (Wien)
Paul Gastin (Cachan)
Edwin Hancock (York, UK)
Markus Holzer (Giessen)
Helmut Jürgensen (London, Canada)
Juhani Karhumäki (Turku)
Efim Kinber (Fairfield)
Claude Kirchner (Bordeaux)
Brian Marcus (Vancouver)
Carlos Martín-Vide (Brussels, co-chair)
Risto Miikkulainen (Austin)
Victor Mitrana (Bucharest)
Claudio Moraga (Mieres)
Sven Naumann (Trier)
Chrystopher Nehaniv (Hatfield)
Maurice Nivat (Paris)
Friedrich Otto (Kassel)
Daniel Reidenbach (Loughborough)
Klaus Reinhardt (Tübingen)
Antonio Restivo (Palermo)

Christophe Reutenauer (Montréal)
Kai Salomaa (Kingston, Canada)
Jeffrey Shallit (Waterloo)
Eljas Soisalon-Soininen (Helsinki)
Bernhard Steffen (Dortmund)
Frank Stephan (Singapore)
Wolfgang Thomas (Aachen)
Marc Tommasi (Lille)
Esko Ukkonen (Helsinki)
Todd Wareham (St. John's)
Osamu Watanabe (Tokyo)
Bruce Watson (Pretoria)
Thomas Wilke (Kiel)
Slawomir Zadrozny (Warsaw)
Binhai Zhu (Bozeman)

ORGANIZING COMMITTEE

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Bianca Truthe (Magdeburg)

SUBMISSIONS

Authors are invited to submit papers presenting original and unpublished research. Papers should not exceed 12 single-spaced pages and should be formatted according to the standard format for Springer Verlag's LNCS series (see <http://www.springer.com/computer/lncs/lncs+authors?SGWID=0-40209-0-0-0>).

Submissions have to be uploaded at
<http://www.easychair.org/conferences/?conf=lata2010>.

Also see:
<http://grammars.grmc.com/LATA2010/>

PUBLICATIONS

A volume of proceedings published by Springer in the LNCS series will be available by the time of the conference.

A special issue of the Journal of Computer and System Sciences (Elsevier) will be later published containing refereed extended versions of some of the papers contributed to the conference. Submissions to it will be only by invitation.

A special issue of another major journal containing papers oriented to applications is under consideration.

REGISTRATION

The period for registration will be open since September 1, 2009 until May 24, 2010. The [registration form](#) can be found at the website of the conference.

Early registration fees	500 Euros
Early registration fees (PhD students)	400 Euros
Late registration fees	530 Euros
Late registration fees (PhD students)	430 Euros
On site registration fees	550 Euros
On site registration fees (PhD students)	450 Euros

At least one author per paper should register. Papers that do not have a registered author who paid the fees by February 15, 2010 will be excluded from the proceedings.

Fees comprise access to all sessions, one copy of the proceedings volume, coffee breaks, lunches, excursion, and conference dinner.

PAYMENT

Early and late registration fees must be paid by bank transfer before February 15, 2010 (May 14, 2010, resp.) to the conference series account at Caixa d'Estalvis de Tarragona (Plaza Imperial Tarraco 6, 43005 Tarragona, Spain):
IBAN: ES7920730074350111026852 - Swift code: CECAESMM073 (account holder: Carlos Martin-Vide & URV - LATA 2010; address of the account holder: Avenida Catalunya 35, 43002 Tarragona, Spain).
Please write the participant's name in the subject of the bank form. Transfers should not involve any expense for the conference. On-site registration fees can be paid only in cash. A receipt for the payment will be provided on site. Besides paying the registration fees, it is required to fill in the registration form at the website of the conference.

BEST PAPER AWARDS

An award will be offered to the authors of the two best papers accepted to the conference. Only papers fully authored by PhD students are eligible. The award intends to cover their travel expenses.

IMPORTANT DATES

Paper submission: December 3, 2009
Notification of paper acceptance or rejection: January 21, 2010
Final version of the paper for the LNCS proceedings: February 8, 2010
Early registration: February 15, 2010
Late registration: May 14, 2010
Starting of the conference: May 24, 2010
Submission to the post-conference publications: August 27, 2010

FURTHER INFORMATION / CONTACT

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