12th EDITION EUROPEAN CONGRESS

ERTS 2024

11-12 JUNE, TOULOUSE - FRANCE
DIAGORA CONGRESS CENTER

EMBEDDED
REAL TIME SYSTEMS

3AF   see

AUTHOR INSTRUCTIONS

PAPERS, POSTERS, PRESENTATIONS, SELECTION PROCESS

Original, unpublished **regular papers** are solicited. A written technical paper is required for each oral presentation. Accepted regular papers will be published in the proceedings and presented in an oral session at the Congress. (Registration and presentation by one author is mandatory).

Short papers reporting on research work in progress are also solicited. Each accepted short paper will be published in the proceedings and presented both as poster and in a five-minute oral session at the Congress (Registration and presentation by one author is mandatory).

Selection will be made by the Programme Committee through a formal review process, based on abstracts of regular papers and on short papers submissions. The list of Programme Committee members is available on the web site (www.erts2024.org).

Through the submission process, authors guarantee that the submitted material is not covered by a prior copyright, and accept that the ERTS organising bodies have the right to edit, reproduce and distribute it in print format and/or electronic format.

REGULAR PAPER SUBMISSION

First step (abstract submission):
authors are invited to upload an abstract of their regular paper to **Easy chair**, in English, 'PDF' format, character size 10, minimum 2 pages, maximum 4 pages, containing:

- indication of the category ("abstract of regular paper");
- name and affiliation of author(s);
- keywords (in addition to the selection of the relevant Congress topics to do on-line at submission);
- summary of the intended final regular paper, focusing in particular on:
  - positioning with regards to the state of the art,
  - summary of major results.

Abstracts will be first reviewed by at least 3 members of the Programme Committee.

Second step (final submission):
a shepherding process is in place in order to support the preparation of the final regular paper for each selected abstract. Authors of each selected abstract will have to submit the full paper (maximum 10 pages, character size 10, in English, "PDF" format) to the programme committee member designated as the shepherd for this paper. After shepherd agreement, authors shall upload the final version of their regular paper through the on-line submission process.

The proceedings will be published on electronic support (and therefore colours may be used if needed).

SHORT PAPER SUBMISSION

First step (initial submission):
authors are invited to upload their short abstract to **Easy chair**, in English, 'PDF' format, character size 10, minimum 2 pages, maximum 4 pages, containing:

- indication of the category ("short paper");
- name and affiliation of author(s);
- keywords (in addition to the selection of the relevant Congress topics to do on-line at submission);
- description of the research work in progress;
- short positioning with regards to the state of the art;
- short report of the current results and further plans;

Second step (final submission):
authors will have to revise their submission according to program committee feedback and to submit their full paper (maximum 4 pages, character size 10, in English, "PDF" format).

The proceedings will be published on electronic support (and therefore colours may be used if needed).

REGULAR PAPER ORAL PRESENTATION

Each accepted regular paper will have a 25mn slot for an oral presentation in English (20mn presentation, 5mn questions and answers), by at least one of its authors who must register and participate to the Congress. The lecture room will be equipped with a video projector and a computer. Prior to each session, speakers will be invited to contact their session chair or Congress organisers so that their presentation slides (in English, "PPT" or "PDF" format) can be compiled on the appropriate computer before their session starts.

SHORT PAPER POSTER PRESENTATION

The authors of accepted short papers will have a 5mn slot for an oral presentation in English and will be asked to prepare a poster to be displayed and presented during dedicated sessions, by at least one of its authors who must register and participate to the Congress. Authors will be invited to contact the poster session chair to hook their poster in the adequate area. The Congress will not print any poster, so authors have to bring and hook their posters (portrait A1 format using English language).

BEST REGULAR PAPER AWARD

A best paper award will be granted per topic.

The program committee will preselect finalists during the paper review phase. The jury will announce their decisions during the Congress dinner of ERTS 2024.

MAJOR TOPICS OF INTEREST

- **Embedded computing platforms and networked systems:**
  Multi-core/manycore platforms, Hardware accelerators, Networks-on-chip, Energy management, Trusted execution platforms, Middleware, Virtualisation, Service-oriented platforms, Blockchains, Embedded networks, Software-defined networks, Distributed architectures, Edge computing, New computer architecture

- **Processes, methods and tools:**
  Agile techniques, AI based development methods, Model-based system and safety engineering, Virtual engineering and simulation, Requirement engineering, Product line engineering, Programming languages, Verification methods, Software development frameworks, Life Cycle Assessment for sustainability

- **Resilience :**
  Dependability, Safety, Cyber security, Quality of service, Fault tolerance, Maintainability, Diagnosis, Health monitoring, Certification, Privacy and data protection

- **Human system interactions:**
  User interfaces for command and control systems, Human monitoring and error evaluation, User-centred design, Automation design and function allocation

- **Autonomous and AI-based systems:**
  Dependable and trustworthy artificial intelligence, Intelligent systems, Assured autonomy, Frugal AI, Social acceptability, Ethical and legal issues

IMPORTANT DATES

ABSTRACT OF REGULAR & SHORT PAPER SUBMISSION (4 PAGES)
~~October 15th, 2023~~

SUBMISSION DEADLINE EXTENDED TO :
26th November 2023

ACCEPTANCE NOTIFICATION
February 8th, 2024

REGULAR PAPER FOR REVIEW (10 PAGES)
April 3rd, 2024

FINAL PAPER (SHORT AND REGULAR)
May 5th, 2024

CONGRESS
June 11th to 12th, 2024

PAPER AWARD ANNOUCEMENT AT WELCOME RECEPTION
June 11th, 2024

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www.erts2024.org