



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Original, unpublished **regular papers** are solicited.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 conference. (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 as poster at the conference (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 (<http://www.erts2018.org>).

Through the submission process, authors guarantee that the submitted material is not covered by a prior copyright, and accept that the ERTS2 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 by ~~June 18th 2017~~ **extended to July 9, 2017** to: <https://easychair.org/conferences/?conf=erts2108>, 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 conference 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.

The selected regular paper abstracts will be printed and distributed to the Conference participants. Therefore the use of colours in the abstracts is **NOT** recommended unless readability can be preserved in black-and-white printed form.

Abstracts will be first reviewed by at least 3 members of the Programme Committee, and a shepherding process is in place in order to support the preparation of the final regular paper for each selected abstract.

Second step (final submission): authors of each selected abstract will have to submit, by **October 27th 2017**, 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 by **November 24th 2017**.

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 paper by ~~June 18th 2017~~ **extended to July 9, 2017** to <https://easychair.org/conferences/?conf=erts2108>, 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 conference 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, by **November 24th 2017**, 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 get a 25' slot for an oral presentation in English at the Conference (20' presentation, 5' questions and answers), by one of its authors who must register and participate to the Conference. 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 Conference 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

Each accepted short paper will get a presentation space reserved for one day of the conference, with one of its authors who must register and participate to the Conference. Authors will be invited to contact the poster session chair to hook their poster in the adequate area. The Conference will not print any poster, so authors are in charge to bring and hook their posters (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 conference dinner of ERTS 2018

MAJOR DOMAINS OF INTEREST

- **Critical Transportation Systems:** Intelligent transportation system, Vehicle automation, Autonomous and connected systems (including all type of unmanned vehicle), Cyber physical systems, Innovative specific architectures (including back end and big data architecture), Mobile robotics, Cyber-security for mobile and back-end systems.
- **Internet of Things (IoT):** Smart devices, Smart grids, Smart buildings, Predictable networking infrastructure, Low power devices, New telecommunication interface, Specific architectures.
- **Digital Manufacturing:** Smart factory, Plant digitalization, Interoperability and integration of cyber physical systems, 3D printing, Machine-to-machine communication and architecture, Digital assistance and monitoring, Maintenance prediction.

MAJOR TOPICS OF INTEREST

- **Embedded computing platforms and networked systems:** Distributed architectures, Multi-core/ many-core platforms, FPGA, Embedded network, Middleware, Virtualization, Service-oriented platforms, Energy-aware management.
- **Processes, methods and tools:** Agile techniques, Adaptive systems and Artificial intelligence, Model-based system engineering, Virtual engineering and simulation, Formal methods, Requirement engineering, Product line engineering, New programming and verification languages.
- **Dependability:** Safety, Security, Quality of service, Fault tolerance, Maintainability, Diagnostic generation, Monitoring, Certification.
- **Human System Interaction:** User interfaces for command and control systems, Human error evaluation, User-centred design, Automation design and Function allocation.

IMPORTANT DATES

Abstract of regular
paper and short paper
submission
~~18/06/2017~~
extended to July 9, 2017

Acceptance notification
September 22, 2017

Regular full paper
for review
October 10, 2017

Regular and Short paper
final version
November 24, 2017

Conference
**January 31
to February 2, 2018**

Conference dinner
February 01, 2018

