

European Council on
Computing in Construction

EC³ Open Call for White Papers

Supporting the Mission of the European Council on Computing in Construction (EC³)

1. INTRODUCTION

The European Council on Computing in Construction (EC³) is a society of construction professionals, academics, researchers and national professional bodies, whose mission is the advancement of professional knowledge and the improvement of engineering practice in the built environment by fostering research, education and policy in current and emerging computing and information technologies.

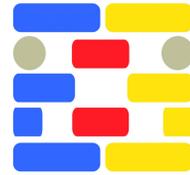
EC³ is founded on the following four pillars and corresponding Technical Committees and white papers typically but not always fall under the scope of these four pillars as defined on the EC³ website:

- [DSA: Data Sensing & Analysis](#)
- [M&S: Modelling & Standards](#)
- [HDI: Human Data Interaction](#)
- [EDU: Education](#)

2. WHITE PAPERS

By means of an open Call for White Papers, EC³ is continually soliciting ideas from the scientific community and/or practitioners, for the science themes that are at the core of EC³'s mission, are of great interest to the EC³ community and have a high impact potential for changes in the construction industry.

EC³ White Papers are not proposals for specific research projects; rather, they are authoritative reports, guides, research frameworks or research visions that inform readers concisely about a contemporary complex issue in EC³'s domain, argue why a



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specific scientific theme should have priority in the way the construction industry currently operates, and present EC³'s philosophy on the matter.

Eligibility

Any scientist or science team can submit a White Paper, with no limitation in terms of residence or nationality further to the limitations specified in EC³'s Charter, as summarized below:

- The proposers can be members of EC³¹ or other interested third parties.
- The proposers must hold a post in a Higher Education Institution (HEI) whose main campus is located in a European country, or are graduate students, or industry practitioners in a HEI or company of a European country².

All White Papers must be submitted in English. White Paper lead author (i.e., those who are designated as the contact author) cannot be members of EC³'s Board of Directors.

White Paper structure

White Paper proposals are limited to 4 A4 pages (plus title page, bibliography, and schedule overview). For the main body of the paper, please use the conference paper template available from <https://ec-3.org/publications/instructions-and-templates/>. The structure and page limitation of the proposal is:

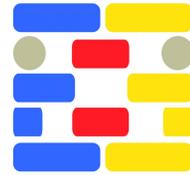
- A cover page (that should include the title of the submission and the primary author's contact information);
- A back cover page listing the authors of the White Paper and their affiliation;
- A maximum of 4 pages for the proposal, including Abstract, tables and figures;
- A bibliography.
- A maximum of 1 page for the work schedule.

The structure and page limit of the full-length White Papers (should a proposal be approved) is:

- A cover page (that should include the title of the submission and the primary author's contact information);
- A back of cover page listing the authors of the White Paper and their affiliation;

¹ EC3 membership is free of charge and can be applied-for online at <https://ec-3.org/contact>.

² "European country" in this document is defined as a country situated in whole or in part within the European continent, or a member country/associate country of the European Union.



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- A range of 5,000 to 15,000 words for the White Paper including Abstract, tables and figures;
- A detailed bibliography.

While there are no constraints on the structure of the content, White Paper authors should ensure that the following questions are properly addressed:

1. Describe clearly the science/technology/professional-practice question(s) that are to be addressed. The proposal should place the proposed science/technology question(s) in the broad context of contemporary EC3-related topics, and in the context of the foreseen advancement of scientific knowledge at large and of the specific field in particular.
2. Describe how the construction industry has traditionally addressed these scientific/technology/professional-practice question(s) and how developments in EC3-related technologies would/could offer an alternative approach. Proposers are also welcome to discuss whether the proposed pathways to change have been effectively utilized to date, lessons learned from any such utilization, the pros and the cons.
3. Proposers are encouraged to explain how the technologies and/or policies that would address the proposed science goal would fit in a pan-European and/or a worldwide context of computing-in-construction science.
4. Proposers should explicitly address any technology challenges that they believe would be enabling for addressing the science questions discussed in the White Paper.

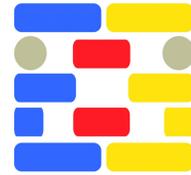
Authorship

White Papers must clearly indicate a single Lead Proposer, and may list a maximum of 10 researchers/practitioners as members of the Proposing Team. As described below, authorship of a White Paper does not confer any priority toward possible submission of future proposals to EC³.

The Lead Proposer will be the only point of contact between EC³ and the proposing team.

Intellectual property and confidentiality

If the white paper is accepted, the author(s) will automatically grant to EC3 a nonexclusive, royalty-free, perpetual, worldwide, irrevocable, sub-licensable, and transferable license to



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publish the paper (in a modified form) in any fashion via electronic means such as the world wide web, and inclusion in future compilations of papers. EC³ will publish the White Papers in electronic form shortly after the submission deadline, distribute them to its members and publicise them to a wider audience. For this reason, none of the material contained in the submission should be confidential in nature.

Each published white paper will be assigned a unique Digital Object Identifier (DOI).

White Paper Submission

White Papers will be accepted in .docx or .pdf format, with a maximum file size of 50 MB, using EC³'s official website, at <https://ec-3.org/contact>.

Please note that all images will need to be provided as individual files prior to final publication.

Review process

The evaluation process is described in a separate document that is available on the EC3 website.

Publication process

Please submit the following:

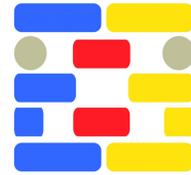
- The entire text is preferred in .docx format but .pdf is also suitable if the text is submitted independently of the images and is without page footer content and page numbers.
- Images are required as high-quality individual files

4. FURTHER INFORMATION AND CONTACT POINTS

Requests for further information should be addressed to:

Call for White Papers for EC³
c/o Secretariat
European Council on Computing in Construction (EC³)
Email: Athanasios Chassiakos <a.chassiakos@upatras.gr>

Or to:



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Call for White Papers for EC³
c/o Dr. Esin Ergen
EC³ Chair
Email: ergenesi@itu.edu.tr

5. Composition of the White-Paper Selection Committee

Name	Affiliation
Dr. Esin Ergen (EC ³ Chair)	Istanbul Technical University, Turkey
Dr. Dimitrios Rovas (EC ³ Vice-Chair)	University College London, U.K.
Dr. James O'Donnell (EC ³ Secretary)	University College Dublin, Ireland
Dr. Pieter Pauwels (EC ³ Treasurer)	Eindhoven University of Technology, Netherlands
Dr. Symeon Christodoulou (EC ³ Previous Chair)	University of Cyprus, Cyprus
Dr. Athanasios Chassiakos (EC ³ Publications Chair)	University of Patras, Greece