Example file for XIX ECG

First Author*[1], Second Author†[2], and Third Author‡[1]

[1]Affiliation Authors 1 and 3
[2]Affiliation Author 2

Abstract

Here you can add a concise abstract for the paper. **This abstract is optional,** and you can skip it. The rest of the document should be elaborated taking into account the instructions below.

1 Introduction

The XIX Spanish Meeting on Computational Geometry (XIX ECG) will be held on July 5-7, 2021, in Madrid, Spain. The main focus of this international conference is on current topics in Discrete and Computational Geometry, including both theoretical and applied results. EGC started in 1990. The intended audience for this conference includes graduate and undergraduate students, researchers in the area or from neighboring disciplines, and members of industry whose work involves geometric algorithms.

Visit the webpage `https://quantum-explore.com/egc21/` for more information. We are looking forward to meet you there!

Some examples and the Call for Papers follow.

2 Other possible sections

You may include as many sections and subsections as needed. Please do not capitalize words in titles of sections or subsections.

Use the environments defined in this file for theorems, propositions, definitions, etc. Some examples:

Lemma 1 *This is a lemma.*

Definition 2 *Something you may want to define.*

Theorem 3 *This is the main theorem.*

Proof. This is the proof. □

You are encouraged to include figures, the more, the merrier! Figures 1 and 2 show some examples.

Figure 1: Some circles are always rounded.

3 Call for papers

The XIX Spanish Meeting on Computational Geometry (EGC) will be held on July 5-7, 2021, and it will be online. On May 21, 2021, it will be announced if the congress is also held in person (the online congress will be maintained even if it is also held in person) at the degree room of the Escuela Técnica Superior de Ingeniería de Sistemas Informáticos of the Universidad Politécnica de Madrid, Madrid, Spain.

The main focus of this international conference is on current topics in Discrete and Computational Geometry, including both theoretical and applied results. This series of meetings started in 1990. The intended audience for this conference includes graduate and undergraduate students, researchers in the area or from neighboring disciplines, and members of industry whose work involves geometric algorithms.

Topics include, but are not limited to:

- geometric algorithms and data structures;
- discrete and combinatorial geometry and topology;
- theoretical foundations of computational geometry;
- questions of interest in the implementation of geometric algorithms and geometric software development;
- applications of computational geometry, and closely related areas, such as computer graphics, virtual reality, robotics, computer vision, simulation and visualization, solid modeling, computer

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Figure 2: Squares, in contrast, tend to be less rounded.

aided design and manufacturing, pattern recognition, graph drawing and circuit layout, image processing, geographic information science, multimedia and animation, wireless communications, computer algebra, computational topology, statistical analysis, operations research, computational biology, etc.

The language of the conference is English, hence all international colleagues are welcome to join.

4 Submissions

We will accept two types of submissions!

4.1 Paper submissions

Each paper submission should consist of an extended abstract of up to 4 pages of original research. Authors are encouraged to add an appendix with additional details, or even a full version of the paper, which will be reviewed by the program committee at their discretion to verify claims whose proofs do not fit in the 4-page abstract.

Papers that have recently been submitted to journals or other conferences are eligible for submission to EGC, assuming that it is allowed by those venues and they have not been published by the time of the conference.

4.2 Talk submissions (new!)

Each talk submission should consist of an abstract of 1 page describing original research presented in the proposed talk. This may involve ongoing research or a result published recently (with the first publication dated in 2020 or later). If the work has appeared previously, please provide a reference to the publication.

5 Other remarks

Abstracts of accepted papers and talks will be collected in a booklet that will be accessible from the conference website. No printed version will be available. Presentations of accepted papers and talks will be allocated the same amount of time in the program (approximately 15-25 minutes).

All submissions (of both papers and talks) will be reviewed by the program committee in order to guarantee that they are in scope and meet quality standards.

Submission instructions will be available at the Submission section on the conference website.

Authors of accepted submissions are expected to present their work at the conference. Failure to do so will result in removal of the contribution from the abstract booklet and conference website.

6 Important dates

Check out the conference webpage[1] for all the important dates, including the submission deadline.

7 Conclusions

Type here your concluding remarks. You may skip this section, if you wish.

We hope to see you at the XIX ECG!!

References

[1] Initial. Authorname, Title of the article, *Name of the journal* **Volume** (Year), Firstpage–Lastpage.

[2] Initial. Authorname, *Title of the Book*, Name of the series, Volume, Publisher, Publisher's Address, Year.

[3] Initial. Authorname, Title of the article, in: *Title of the Book*, Name of the series, Volume, Publisher, Publisher's Address, Year, Firstpage–Lastpage.

[4] Initial. Authorname, Title of the preprint, preprint, Year, `arXiv:0000.0000`.

[1] `https://quantum-explore.com/egc21/`