

PAEE/ALE'2022 INTERNATIONAL CONFERENCE ON
ACTIVE LEARNING IN ENGINEERING EDUCATION
6 - 8 July (Alicante- Spain)

CALL FOR PAPERS

On behalf of the PAEE/ALE'2022 organizing committee, we are pleased to invite you to submit proposals and participate in the **International Conference on Active Learning in Engineering Education** in Alicante (Spain), July 6 to 8, 2022. Participants will have a full active learning time, sharing experiences with colleagues (both students and educators). Our intention is to have a full face-to-face event.

PAEE and **ALE** have been organized to enhance Active Learning, Problem and Project-Based Learning in Engineering Education. The conference is the merging of two events: the International Symposium on Project Approaches in Engineering Education (PAEE) organized by the PAEE association since 2009, and Active Learning in Engineering Education Workshop (ALE) organized by Active Learning in Engineering Education Network since 2000. **PAEE/ALE'2022** will be the seventh collaboration of the two organizations.

The theme of this year's conference is "**Planting the seed: promoting engineers with global awareness**". Socio-emotional competencies for engineers will be a key topic to discuss during the conference, due to the need to improve both, the social competencies in professional practice, and the capacity to deal with increasing inclusion issues. *'What we do as engineers and why we do it, is based on our underlying values. However, rarely in engineering education is any consideration taken of our values, what they are and where they come from'* (Nahar and Baillie, 2009). We would like to raise awareness to ensure a guarantee of personal dignity, the free flow of persons without any discrimination, and the right to effective equality between women and men.

Topics of interest include, but are not limited to, the following:

- Experiences on Active Learning and PBL in engineering education
- Innovative experiences in engineering education
- Ethics and sustainability in engineering education
- Evaluating PBL and Active Learning
- Development and assessment of competences
- Diversity and inclusion in engineering education
- Attracting women and/or young people to engineering
- Teacher and tutor roles in PBL and Active Learning
- Inclusion of emotions in engineering education
- Teacher professional development in non-technical topics (pedagogy, ethics, sustainability, gender,...)
- Research on Active Learning and PBL
- Assessment in Active Learning and PBL
- Active Learning and ICT support
- Educational challenges during crisis
- Basic sciences in engineering education
- Curriculum design
- Project management in engineering education
- Student engagement in learning
- Workspaces for Active Learning

We sincerely would like to meet you at the campus of the University of Alicante,

PAEE/ALE'2022 organizing committee.

For further information: visit <http://huro.ua.es/paeeale2022> or contact paeeale2022@ua.es



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Practical information:

The official language of the conference and of the papers is English. All submissions are peer-reviewed, and the accepted papers will be published in the conference proceedings, to be sent for SCOPUS (proceedings indexed since 2016). Selected papers will be invited to be submitted to special issues of indexed journals. Submissions will be double reviewed. After notification of acceptance, authors are invited to prepare the full version of their work using the corresponding template and submit it using the web submission platform:

<https://easychair.org/conferences/?conf=paeale2022>

There are four types of submission: abstract only, full paper, workshop/hands-on session and students' paper.

Abstract submission: Regardless of the type of submission, in a first stage, contributors are invited to submit an abstract of 300 words using the web submission platform above. You have to register on the web platform to submit the abstract. Web platform registration is free and does not necessarily require a symposium registration.

Paper submission: In the case of papers, the full version should have 6 to 8 pages (Microsoft Word file). We suggest that you download and save the required template and copy your own text into it, in order to preserve the adopted styles and other formatting elements. Accepted contributions will be invited to make a presentation at the symposium.

Workshops/hands-on: Potential contributors are invited to submit a proposal for either a workshop or a hands-on session. You have to register on the web platform (Easy Chair) to submit the workshop/hands-on proposal, choosing from the four options that you have there, the "Workshop/hands-on" option. The workshop or hands-on sessions proposals are expected to have three pages maximum.

Students' award: PAEE/ALE'2022 particularly welcomes contributions from students (Undergraduate, Master and PhD). The **Student Best Paper Award** is an opportunity to share with the Engineering Education community all the great projects being currently developed by students. Furthermore, students have a change to share their ideas, to show their work developed at the university, to know other people from all over the world and to learn from each other.

Some general rules and guidelines to participate in the Student Best Paper Award PAEE/ALE'2022:

- Teachers / supervisors could be registered as co-authors (not first author);
- Papers must be presented by students (presentations performed by non-students will not be accepted for the award but can be considered for a regular session);
- The winners will be announced in the closing session.

Important Dates

Abstract submission extended deadline: **February 28, 2022**

