

2022 International Conference on Applied Electronics (AE 2022)

Technically co-sponsored by IEEE - IES and IEEE - CS

University of West Bohemia, Pilsen, Czech Republic, 6 to 7 September 2022

The 27th International Conference on Applied Electronics is the latest regular event organized yearly from 1996 by the University of West Bohemia in Pilsen, Czech Republic. The aim is to provide a forum for researchers and practitioners interested in advances in the wide scope of electronic circuits and systems, especially in applications of theoretical research. The AE conferences are sponsored by IEEE - Industrial Electronics Society and IEEE - Czechoslovakia Section.

All the papers are peer-to-peer reviewed for acceptance by the International Program Committee, composed of respected experts. The AE Proceedings will be submitted to IEEE Xplore, ISI Web of Knowledge, and Scopus databases. Conference language is English. All papers will be checked for plagiarism.

Conference topics:

- Analogue and digital electronic systems
- Automotive electronics, issues of safety
- Bio-Medical electronics
- Electronics in industry, EMC
- Electronics in measurement and control
- Electronic systems simulation and CAD
- Electronics in telecommunications, IoT
- Embedded systems - HW and SW, AI
- Signal processing
- ... and other related areas

The papers should report original work and applied ideas, including experimental results.

All papers have to be presented at the conference; the organizers reserve the right to exclude a paper from distribution after the conference if the paper is not presented at the conference. Each paper must be presented by its author; no substitutions will be allowed. Each author can submit at most two papers.

Important dates:

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| – Full papers submission from: | 1 January 2022 |
| – Deadline for papers submission: | 15 March 2022 |
| – Notification of papers acceptance: | 31 May 2022 |
| – Papers presentations: | 6 to 7 September 2022 |
| – Seminars and excursions: | 8 September 2022 |

Registration fee:

by 30 June 2022

(The paper is registered under the name of the first author)

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| – Standard paper: | 290 EUR or 7500 CZK |
| – Two extra pages in Proceedings: | 20 EUR or 500 CZK |
| – Second paper (of the same first author): | 30 EUR or 750 CZK |
| – Reduced conference fee: | 10% off for IEEE members,
20% off for IEEE- IES members |
| – Excursions on 8 September: | approx. 40 EUR or 1000 CZK, to be paid at the presentation |

Registration fee includes:

- Publishing of a 4-page paper in Proceedings
- 1x conference Proceedings
- 2x lunch
- 1x Evening Party
- Sightseeing tour in Pilsen
- Refreshment during the Conference sessions

Conference venue:

The University of West Bohemia (UWB) is located in Pilsen, the fourth largest city in Czech Republic, about 80 km southwest of Prague and 80 km east from the German border. The Faculty of Electrical Engineering is one of the nine faculties belonging to the UWB.

Seminar and excursion:

This is an optional event. Every year, the excursion is devoted to one of the topics globally named as "Technical skills of our predecessors and their influence on people and nature". The route of the excursion usually leads through remarkable country sceneries and technical and historical monuments.

Program for spare time and guided tours:

- Sightseeing in Pilsen - historical center, museum, historical underground, Pilsner Brewery, and other remarkable places.
- Evening Party: unformal party in a pleasant restaurant.

AE 2022 in case of persistent COVID pandemic:

In this case, the form of the conference will be changed from a traditional personal meeting to a virtual event. The final decision will be taken by May 31. All authors will be informed by e-mail about the details of the virtual conference and details will be available at the AE2022 conference pages.

The Proceedings will be published in print and sent to the first authors by post before the conference. The conference fee will be reduced.

More information is available at <http://www.appel.zcu.cz> or appel@fel.zcu.cz (conference secretary)

Organizing Committee AE 2022