XXV Annual Seminar on Automation, Industrial Electronics and Instrumentation (SAAEI 2018)

The Annual Seminar on Automation, Industrial Electronics and Instrumentation (Seminario Anual de Automática, Electrónica Industrial e Instrumentación, SAAEI) will be held, in this 25th edition, in Barcelona from July 4th to 6th, 2018. It will be organized by the Eastern Barcelona School of Engineering (Escuela de Ingeniería de Barcelona Este, EEBE), a new University Center of the Technical University of Catalonia (Universitat Politècnica de Catalunya, UPC), located in the modern Campus Diagonal-Besós.

The SAAEI is an annual conference, whose aim is to be a forum where specialists and researchers from universities, research centers and companies, at national and international level, can share their work results, exchange ideas and create consortium among them in order to undertake future projects with greater efficiency and impact. The congress is looking for communications that describe original works in the fields of automation, electronics and instrumentation.

The two official languages of the SAAEI’18 Conference will be, indifferently, English and Spanish.

TOPIC AREAS

The program of the SAAEI’18 Conference presents the main following topic areas (but not limited to them):

• Power conversion techniques.
• Control techniques in power converters.
• Instrumentation and measurement systems. Sensors networks.
• Semiconductor devices and passive components.
• Energy engineering.
  – Electrical energy systems.
  – Renewable energies.
  – Energy storage.
  – Microgrids (MG).
  – Energy management systems.
• Biomedical engineering.
• Industrial automation. Industry 4.0.
• Electrical mobility.
• Technological applications.
  – Industrial systems.
  – Communication systems.
  – Computer systems.
  – Aerospace systems.
  – Optoelectronic applications.
• Educational applications.

www.saaei.org
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**PAPER SUBMISSION**

The paper should be four to six pages long and it should include all the references, figures and tables that are necessary to understand the text and content. In all the cases documents must clearly show the methods, results and the originality of the presented work. It should not include any information about the authors, including self-references. The paper should be submitted in a format close to the definitive one. The manuscript should be in one of the two official languages for the SAAEI’18 Conference.

The papers will be sent only through the SGE application that can be found on the web site of the conference (www.saaei.org) and they should be saved as PDF, following the template and format that can be found on the web site. In the application, the following information should be included:

- Title.
- Authors.
- Topic area.
- Presentation preference (oral or poster).
- A summary less than 3000 characters long.

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**IMPORTANT DATES**

**Deadline for paper submission:** January 31st, 2018.  
**Notification of acceptance:** March 28th, 2018.  
**Deadline for the definitive version:** May 9th, 2018.

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**REGISTRATION**

All participants of SAAEI’18 Conference must be registered. At least one author of each accepted paper should appear on the list of registered participants at the SAAEI’18, but it is not necessary that the author who sends the paper is the registered one. Each registered author may send a maximum of two papers without additional charge for admission. Students will have access to a reduced registration fee, which allows the submission of only one paper.

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**CONFERENCE SITE**

The SAAEI’18 Conference will take place at the Escuela de Ingeniería de Barcelona Este, EEBe (www.eebe.upc.edu). The EEBe is a modern building, sited in the new Campus Diagonal-Besós of the UPC. It provides its own facilities for this kind of events, with an easy walking access, by means of public transport (buses, subway, tram, RENFE local trains, etc.) or private transport, since the campus has a large car park.

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**OTHER ACTIVITIES**

During the development of the SAAEI’18 Conference, the annual meeting of the Spanish Chapter of the IEEE PELS-IES will be also held, and a space in the EEBe will be available for the participation of the sponsor companies and entities.

Social activities will also be organized, which will complement the scientific activities of the SAAEI’18 Conference. In particular, there will be two social events: A cultural activity on Wednesday, July 4th, in the afternoon, and a Gala dinner on Thursday, July 5th, at night. Details of these activities will be updated on the web page of the conference.