

# Lecture Notes in Electrical Engineering

## Volume 846

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Santiago Berrezueta · Karina Abad  
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# Doctoral Symposium on Information and Communication Technologies - DSICT

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# Preface

The first edition of the Doctoral Symposium on Information and Communication Technologies—DSICT 2021 took place in Guayaquil, Ecuador, from November 24 to 26, 2021, in hybrid mode (virtual/presencial) at the Universidad Politécnica Salesiana (UPS) Campus. DSICT look becomes the most important event for doctoral students in the field of ICTs in Ecuador. This scientific event brings together researchers, educators, professionals, and students from different parts of the world for the dissemination of results and research activities regarding the development, problems, and forecasts of the use of ICTs in multiple fields of application. This event is organized by Corporación Ecuatoriana para el Desarrollo de la Investigación y la Academia (CEDIA).

This Symposium Doctoral includes the presentation of several manuscripts related to ICT in different fields such as biomedical sensors and wearables systems, data science, ICT's applications, Industry 4.0, smart cities, software development, technology, and environment.

In addition to the presentation of the articles, the doctoral student shared the following:

- The summary of his/her research with the motivation justifying the importance of the research problem,
- Research questions and hypotheses formulating what you want to achieve, solve, or demonstrate,
- Technical challenges associated with the research questions and the discussion of existing solutions with an explanation of why they do not solve the problem,
- The discussion on the originality of your contributions stating how your results go beyond existing approaches,
- The description of the research methods including a strategy for evaluating your work to provide credible evidence of your results, and
- The description of the progress you made so far toward completing the research.

The first edition of DSICT received 44 manuscripts from 29 authors from six countries. All these articles passed the control of the maximum percentage of similarity with previous works, which were reviewed by peers by the DSICT program committee, which consists of 66 highly experienced researchers from 27 countries. To ensure a high-quality and careful review process, we assign at least three reviewers to each article. Based on the peer-review results, 11 full articles were accepted, representing an acceptance rate of 25%.

November 2021

Santiago Berrezueta  
Karina Abad

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