VI Congress on Innovation and Appropriation of the Technologies of Information and Communications

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The International Congress on Innovation and Appropriation of the Technologies of Information and Communications (CIATIC) is an initiative of the Network of Computer Engineering and Related Programs of North-Eastern Colombia. Accordingly, the CIATIC is a space for promoting and developing innovation and appropriation of information and communication technologies by facilitating the exchange and transfer of knowledge through the presentation of research advances in technological trends, as well as allowing the creation of collaborative networks to generate research and innovation in the field.

The sixth version of the International Congress on Innovation and Appropriation of the Technologies of Information and Communications (VI CIATIC) was held in the municipality of Ocaña, in the department of Norte de Santander, Colombia, on 25-27 September 2019. The "Universidad Francisco de Paula Santander, Seccional Ocaña", Colombia, hosted the event. The universities that participated in 2019 as co-organizers of the Congress and are part of the Northeast region were: Universidad Pontificia Bolivariana (UPB), headquarter Bucaramanga, Universidad Autónoma de Bucaramanga (UNAB), Universidad Popular del Cesar (UPC), headquarter Aguachica, Fundación Universitaria de San Gil (UNISANGIL), and the Universidad Francisco de Paula Santander (UFPS), headquarters San José de Cúcuta and Ocaña. The participation of the universities, contributed to the internationalization, with the participation of professors and researchers from different countries of the American and European continent, such as, Mexico, United States, Ecuador, Sweden, Venezuela, Chile, and of course, Colombia, which allowed strengthening the research processes and know the different current trends on information and communication technologies.

The main conferences dealt with topics such as Industry 4.0: Thinking About Software?, Artificial Intelligence in Industry 4.0, Influence of Technology on the Economy, Trends and Experiences in Research and Information Technology Training, Software (and Database) Engineering, Edge Deep Learning Techniques Applied to Failure Detection on Industrial Processes, Impact of Internet Development, Benefits and Challenges for Internet Service Providers.

In addition to the international conferences, 45 papers were presented by professors and students, where the results of research processes of research groups were disseminated, generating a space ideal to find allies, and thus, strengthen the projects that have originated from the classroom.

The CIATIC congress is an annual event that is the result of cooperation between higher education institutions, researchers, professors, students, and professionals, strengthening institutional collaboration links. This congress seeks to provide clear guidelines to be appropriate in the curricula of...
computer engineering programs and related programs that allow being competitive in the globalized world we live in today. For this reason, the CIATIC suitable to continue with the efforts of partner institutions for continuous improvement and the search for the differentiating value of the curricula of the Colombia computer engineering programs.

Regarding to above, it is necessary to continue with the work of generating spaces and products such as conferences and papers related to science and engineering, computer science, electronics and devices, education and communication, and social inclusion, as developed in the sixth version of the International Congress on Innovation and Appropriation of Information and Communications (VI CIATIC), with the purpose of seek and maintain the quality of the programs.

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