

Proceedings

LAWCC 2022

XIV Congress of Latin American Women in Computing 2022

**Proceedings of the XIV Congress of Latin American Women in
Computing 2022 (LAWCC 2022)**

co-located with XLVIII Latin American Computer Conference (CLEI 2022)

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Preface

The XIV Latin American Women in Computing Congress (XIV LAWCC) was organized within Colombia's XLVIII Latin American Computing Conference (CLEI 2022). LAWCC2022 was held in hybrid (onsite and virtual) mode on October 19th and 20th. Its main objective is to highlight women's research, interest, and achievements in various computing areas to encourage more women's participation in technology. Tomorrow's jobs are professional careers in Science, Technology, Engineering, and Mathematics (STEM), and those are careers where women have been historically underrepresented. In STEM jobs with higher incomes, the lowest percentages are women workers. Therefore, this space seeks to foster sustainable development, drive innovation, social welfare, and inclusive growth with more women in STEM. The LAWCC's research work identified the challenges of women in STEM, Information and Telecommunications Technology (ICT), teaching, the workplace, and research. Simultaneously, those works addressed recurrent issues related to gender and interaction with society.

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

- General analysis of women's activities and participation in STEM (Sciences, Technology, Engineering and Mathematics) and ICT (Information and Communication Technologies)
- Contributions of women in STEM / ICT for pandemic response
- Alternativo: The role of women in STEM / ICT for pandemic response
- Female participation in scientific and technological events (hackathons, science clubs, etc.)
- Inclusive software development (games, apps and others) with a strong women participation
- Gender equity initiatives in STEM / ICT.
- Experiences of organizations working to Promote Women in STEM/ICT
- Gender and Human-Computer Interaction.
- Female leadership models and ICT.
- Gender-dependent specificities in the development and implementation of ICT.
- Gender-dependent specificities of teaching STEM / ICT, at all levels
- Women on ICT decision-making at national and international level
- Women and ICT-related public policy
- Educational data analysis of women and computing in all educational levels
- Women in technology statistics and data analysis

The current edition, LAWCC 2022, has had 15 submissions, from which 12 full papers were accepted, and 11 papers were presented and reviewed by 62 committee members. These papers have involved 48 authors from Brazil, Costa Rica, Ecuador, El Salvador, Paraguay, Spain, and Uruguay.

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October 2022

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