

# XVI Congreso Colombiano de Computación

## 16CCC

October 17-21, 2022

Armenia, Colombia

<https://sites.google.com/uniquindio.edu.co/16ccc/home>



### Call for Papers

#### General Chair:

William J. Giraldo O. – U. del Quindío. [wjgiraldo@uniquindio.edu.co](mailto:wjgiraldo@uniquindio.edu.co)

#### Organizing Committee:

Alexandra Ruiz G. – U. del Quindío. [aruiz@uniquindio.edu.co](mailto:aruiz@uniquindio.edu.co)

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Iván Mauricio C. – U. San Buenaventura de Cali.

Faber D. Giraldo – Universidad del Quindío.

María Clara Gómez – U. de Medellín.

Jairo Enrique Serrano – U. Tecnológica de Bolívar.

Dario José Delgado Quintero – UNAD.

Marta Tabares – Universidad EAFIT.

Héctor F. Vargas M. - Instituto Tecnológico Metropolitano – ITM.

Robinson Andrey Duque – Universidad del Valle.

Eduard L. Sierra B. – U. Militar Nueva Granada.

Matias Herrera C – UFPS.

Manuel G. Forero V. – Universidad de Ibagué.

Marco J. Suárez.- UPTC.

#### Publishing Committee:

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William Joseph Giraldo O. – Universidad del Quindío.

Vanessa Agredo D. - Unicomfaucauca.

Pablo Ruiz - Unicomfaucauca.

#### Presentation

The Colombian Computing Congress is the annual meeting organized by the Colombian Computing Society ([www.sco2.org](http://www.sco2.org)). Its objective is to promote the strengthening of the Colombian computer science community, bringing together researchers, students and practitioners, both national and international. This year, the organization is in charge of the Universidad del Quindío and is developed in an academic alliance with RENATA.

The Colombian Computing Society (SCO2) has organized this event since 2005 (Cali) within the CLEI 2005 conference scope, in Bogotá (2007), Medellín (2008), Bucaramanga (2009), Cartagena (2010), Manizales (2011), Medellín (2012) within the CLEI 2012 conference scope, Armenia (2013), Pereira (2014), Bogotá (2015), Popayán (2016), Cali (2017), Cartagena (2018), Pasto (2019), in pandemic It Wasn't Made (2020), virtual conference (2021).

The 16th edition of the Colombian Computing Congress (16CCC) will be held in the city of Armenia, Quindío between October 17 and 21, 2022, within the CLEI 2022 conference scope and will include the participation of national and international researchers. This year the congress will be organized by the Colombian Computer Society and the University of Quindío. This event aims to create a space for the exchange of ideas, techniques, methodologies and tools with a multidisciplinary approach, promoting synergy between researchers, professionals, students and companies related to the topics of interest of the Congress.

The event focuses on the presentation of research papers with significant contributions to knowledge or innovative experiences in the different areas of computing. Among others, the conference includes keynote speeches, contributions, discussion forums, tutorials and a colloquium for master's and doctoral students, institutional and business exhibition (stand during the conference).

#### Conference Topics

The topics of interest of the conference are the following (not limited to):

- Software engineering and IT architecture.
- Human-Computer Interaction.
- Cybersecurity and information security.
- Image processing and computer vision.
- Multimedia.
- Artificial intelligence and robotics.
- Education and ICT.
- Data, Information and Knowledge.
- Distributed systems and large-scale computing.
- Formal methods in computational systems.

### Importants Dates

Call for papers:	march 16, 2022
Call for papers - deadline:	may 1, 2022
Notification of acceptance:	july 15, 2022
Camera-Ready papers due:	august 1, 2022
Master's and Doctorate Symposium:	may 1, 2022
Notification of acceptance:	august 1, 2022
conference:	october 17-21, 2022

### Place of the event

The 16th edition of the Colombian Computing Congress will be held at the Las Camelias hotel, located in Montenegro, Quindío (Colombia).

Organized by:



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## Contributions

Contributions may be written in Spanish or English, taking into account that: The main text of the article should be composed of five sections: 1. Introduction, 2. Methodology, 3. Results and discussion, 4. Conclusions, 5. References.

All articles will be evaluated by at least 3 experts, under a blind review scheme. Authors are requested to remove personal data, the acknowledgements section and any reference that may reveal the identity of the authors. Articles that do not meet these conditions will be rejected without revisions. All contributions should be written following the Springer template <http://www.springer.com/la/computer-science/lncs/conference-proceedings-guidelines>. Authors must comply with ethical standards as detailed in the [Springer Code of Conduct](#) for Article Submissions. The first anonymous version of the article should be submitted in PDF.

The articles will have the possibility of being published by the Springer Computer Science Proceeding.

Authors must submit an original contributions in any of the following categories:

- **Long Articles (10-15 pages)**. Long articles should describe original work that has not been previously published and provide significant results of scientific research. Presentation time for long articles will be 15 minutes, plus 5 minutes for questions.
- **Short Articles (8 pages)**. Short papers should present innovative work in progress, without significant results yet, that contribute to well-supported research. The presentation time for short papers will be 10 minutes, plus 5 minutes for questions.
- **MS/PhD Symposium (3-4 pages)**. Master's or Ph.D. students from programs related to Informatics and Computing are cordially invited to submit their projects for evaluation. The Symposium is a space for students to socialize their work and receive feedback from experts in the area that may be helpful for their research plans. Students will give a 10-minute presentation on their work. After each presentation, a group discussion will be held. Each proposal should contain: title, abstract, objectives and progress made. Send the proposal to Marco J. Suárez.- UPTC [marco.suarez@uptc.edu.co](mailto:marco.suarez@uptc.edu.co).
- **Posters (2-4 pages)**. These are works that include demonstrations of technology, innovations or applications, clearly indicating the contribution they make to the area of computing. Send the proposal to [sinfoci@uniquindio.edu.co](mailto:sinfoci@uniquindio.edu.co).

## Masters and Doctoral Colloquium

16CCC invites PhD and Masters students and candidates to present, discuss and defend their work-in-progress or preliminary results in front of an international and renowned audience of researchers. Students who wish to participate should directly contact Professor Marco J. Suárez.- UPTC [marco.suarez@uptc.edu.co](mailto:marco.suarez@uptc.edu.co). More information about the conditions for presenting papers can be found on the event's web page.

## Tutorials

During the 16CCC, tutorials or mini-courses are planned, with a duration of half or a full day, which include: research results, state of the art in current computing issues, approaches to topics of industrial or academic interest, among others. For applications to present tutorials, contact to [sinfoci@uniquindio.edu.co](mailto:sinfoci@uniquindio.edu.co). More information about the conditions for the tutorials can be found on the event website.

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