

**CALL FOR PAPERS**  
**17th Colombian Conference on**  
**Computing – 17CCC**  
**Industry 4.0 and digital transformation**  
**10 and 11 August 2023**  
**Venue: Universidad EAFIT,**  
**Medellín, Colombia**  
**Web Site: <https://sco2.org/17ccc/>**  
**Contact: [ccc@sco2.org](mailto:ccc@sco2.org)**

## CONTEXT

17CCC invites papers reporting theoretical and/or practical results that advance state-of-the-art or present relevant applications or cases in the areas of Industry 4.0 and Digital Transformation. A special session will be dedicated to undergraduate students doing research activities.

The Colombian Conference on Computing (CCC) is a yearly meeting organized by the Colombian Society for Computing ([www.sco2.org](http://www.sco2.org)). This conference series aims to strengthen the scientific background of Colombia's informatics and computing community by gathering Colombian and foreign researchers, students, and practitioners.

17CCC will take place in a presential modality at the Universidad EAFIT campus. It will act in alliance with RENATA (National Academic Network of Advanced Technology) and be joined in specific committees by other Colombian and foreign institutions.

## COMMITTEES AND ORGANIZERS

Conference Coordinator	Prof. PhD. Marta Silvia Tabares-Betancur Universidad EAFIT, COLOMBIA
Organizing Committee Universidad EAFIT, Colombia	Prof. PhD. Paola Andrea Vallejo Correa Prof. PhD. Edwin Montoya Múnera Prof. PhD. Biviana Marcela Suarez Sierra Prof. PhD. Jose Lisandro Aguilar Castro Prof. PhD. Oscar Ruiz-Salguero
Program Committee	Prof. PhD. Liliana Gonzalez Palacio (U. EAFIT) Prof. PhD. Daniel Correa Botero (U. EAFIT) Prof. PhD. Juan David Martinez Vargas (U. EAFIT) Prof. PhD. Sergio Steven Ramirez Rico (U. EAFIT) Prof. PhD. Biviana Marcela Suarez Sierra (U. EAFIT) Prof. PhD. Oscar Ruiz-Salguero (U. EAFIT) Prof. PhD. Henry Laniado (U. EAFIT)

Prof. PhD. Jose Lisandro Aguilar Castro (U. EAFIT)  
Prof. PhD. Elizabeth Suescún Monsalve (U. EAFIT)  
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Prof. PhD. Henry Laniado Rodas (U. EAFIT)  
Prof. PhD. Edison Valencia Diaz (U. EAFIT)  
Prof. PhD. Andrés Sicard (U. EAFIT)  
Prof. PhD. Juan Guillermo Lalinde (U. EAFIT)  
Prof. PhD. César Jaramillo (UTP)  
Prof. PhD. Cesar Collazos (Unicauca)  
Prof. PhD. Jairo Serrano (UTB)  
Prof. PhD. Julio Hurtado (Unicauca)  
Prof. PhD. Mariela Curiel (UPJ)  
Prof. PhD. Marco Suarez (UPTC)  
Prof. PhD. Maria Clara Gómez (U. Medellín)  
Prof. PhD. Bell Manrique (U. Medellín)  
Prof. PhD. Edilberto Cepeda (UNAL)  
Prof. PhD. Julián Moreno (UNAL)  
Prof. PhD. Francisco Moreno (UNAL)  
Prof. PhD. Fernan Villa (UNAL)  
Prof. PhD. Jhon William Branch (UNAL)

## IMPORTANT DATES AND DEADLINES

Abstract submission	15 May 2023
Manuscript submission	30 May 2023
Acceptance Decision	23 June 2023
Camera ready	<b>15 July 2023</b>
Final register	<b>30 July 2023</b>
Event 17CCC	10 and 11 August 2023

## TOPICS

- Software Engineering and Information Technology Architectures
- Human Machine Interaction
- Cyber-Physical Systems
- Cyber and Information Security
- Image Processing and Computer Vision
- Robotics in Industry 4.0
- Artificial Intelligence
- Digital Learning - E-Learning
- Knowledge and Information Management
- Distributed Systems and Large Scale Computing
- Formal Methods in Computing Systems
- Scientific Applications
- Industrial Applications, Industry 4.0, and Precision Agriculture
- Computational Statistics

## MANUSCRIPT SUBMISSION, REVIEW, PUBLICATION

The Program Committee administering manuscript reviews contains research faculty of Universidad EAFIT and the Colombian Society for Computing (SCO<sup>2</sup>) members. The manuscript reviews will be double-blind by invited Colombian and foreign experts. We invite high-quality submissions of technical research papers describing original and unpublished research results considering the following.

### Manuscript Types and Content

Authors who wish to participate in 17CCC should submit either original, unpublished material in (a) a full paper, (b) a short paper, or (c) a poster.

### Manuscript Specifications

- Initial Submission format: Portable Document Format (PDF) file
- Manuscript size, language: Full paper: 12 pages (only English)  
Short paper: 6 pages (English or Spanish)  
The limit on the number of pages will be strictly enforced in the admission of the manuscript to the review process  
Poster: 1 page (English or Spanish)
- Review Type: Double-blind. Authors should remove from the initial submission all information and expressions which indicate their identity. Such data will be allowed in the final manuscript version.
- Manuscript format: LaTeX or Microsoft Word format specified on page:  
<http://www.springer.com/la/computer-science/lncs/conference-proceedings-guidelines>  
Manuscripts whose format departs from this Latex specification will not be published.
- Submission System: <https://easychair.org/conferences/?conf=17ccc>
- Additional Information: See <http://17ccc.sco2.org>

### Manuscript Ranking, Presentation, and Publication

Accepted Full and Papers: Accepted Full and Short papers with the highest score will be published in the Springer book series Communications in Computer and Information Science; Their publication is subject to final evaluation by Springer.

Posters: Those papers will be presented in 17CCC sessions.  
Accepted Posters will be published in the 17CCC

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Conference Proceedings. In addition, Posters will be on continuous exhibition during the 17CCC.

## **GRADUATE THESIS SHOWCASE**

This venue facilitates feedback from students to their institutions and peers in improving the learning and teaching process of their higher education studies.

During 17CCC, a showcase of Magister and Doctoral Thesis will take place. The Call - for - communications for this showcase will be published on the web page of 17CCC.

## **WORKSHOPS**

This venue facilitates the dissemination of new technologies or scientific knowledge applied to Industry 4.0 or digital transformation. Workshops are provided by companies working in research and using technologies in Industry 4.0 and digital transformation.

The Call - for - communications for workshops will be published on the web page of 17CCC.