



IEEE
COMPUTER
SOCIETY

Colombian Caribbean
Section Chapter

IEEE CS

RECAP

2024 NOVEMBER



COMPUTER
SCIENCE
AND
ENGINEERING

***We Are the Largest Global Community of
Computer Scientists and Engineers.***

Monthly recap / Edition 011 / November 2024

CONTENT

Cartagena de Indias, Colombia, is a Caribbean gem renowned for its rich history, architectural beauty, and vibrant culture. Founded in 1533, this city blends its colonial past with a modern and welcoming spirit

EXCOM

Héctor Terán

Chair

Alejandro Corrales

Vicechair

Edwin Puertas

Secretary / Treasurer

Jorge Cáceres

Webmaster



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01.

Insights from our Chair on the chapter's progress and upcoming initiatives.

02. About US

Learn about who we are, our strategic goals, themes, mission, and vision.

03. Membership

Discover member statistics and meet our new members of the month.

04. Recap all CS Chapters

A summary of the month's activities and achievements of our professional and student chapters.

05. IEEE & CS News

Stay updated with the latest news and developments within the IEEE Computer Society.

06. Upcoming events

A look at the upcoming events and activities you won't want to miss.

07. Recap Key

Participate for great prizes at the end of the year.



Walled City of Cartagena

“ We are all called to transform lives and improve society. We do it with technology. One line of code at a time will contribute to the change that benefits humanity ”



Héctor Terán
Chapter Chair

A YEAR OF ACHIEVEMENTS

We are proud to share that the 2024 Business P! has been successfully fulfilled, marking a significant milestone for our community. Thanks to our collective efforts, we have achieved remarkable growth in both professional members and students, strengthening the global reach and impact of our network. This accomplishment reflects the dedication and passion each of you brings to IEEE CS Colcaribe.

We are also pleased to announce that the renewal process for the upcoming year has begun. We extend our heartfelt gratitude to those who have already renewed their membership, reaffirming their commitment to technological excellence and professional development.

A special recognition goes to all members who actively participated in the **IEEE CS Byte2Solution** initiatives. Your enthusiasm and contributions have been pivotal to the program's success, and we are committed to improving and expanding these opportunities in future editions.

We are excited to launch a special edition of the December Recap, where we will highlight the most important activities from each month, celebrating the milestones we have achieved together.



Lastly, we encourage you to continue participating in the Recap Key contest, where you have the chance to win discounts on your 2025 membership. It's a great opportunity to stay engaged and connected with our thriving community!

Let's keep building a more innovative 2025 together, strengthening the bonds that unite us and working towards a brighter future for all. Thank you for being part of this amazing IEEE CS Colcaribe



About Us

IEEE is the world's largest professional association advancing technology for the benefit of humanity. IEEE has 39 technical societies, among which is the IEEE Computer Society.



Engaging computer engineers, scientists, academia, and industry professionals from all areas of computing, the IEEE Computer Society (CS) sets the standard for the education and engagement that fuels continued global technological advancement. Through conferences, publications, and programs, and by bringing together computer science and engineering leaders at every phase of their career for dialogue, debate, and collaboration, IEEE CS empowers, shapes, and guides the future of not only its members, but the greater industry, enabling new opportunities to better serve our world.

STRATEGIC GOALS AND THEMES FOR THE SOCIETY

What We want to achieve

- » **Goal 1.** Engage more students and early career professionals.
- » **Goal 2.** Engage more industry individuals and organizations.
- » **Goal 3.** Lead the new technical areas.

How the Society needs to work

- » **Theme 1.** Empower and diversify volunteer base.
- » **Theme 2.** Enable nimbleness in execution.
- » **Theme 3.** Maintain focus on diversity and inclusion.



Mission & Vision

July 7, 23

› the date our chapter was approved.

6 Student Chapters

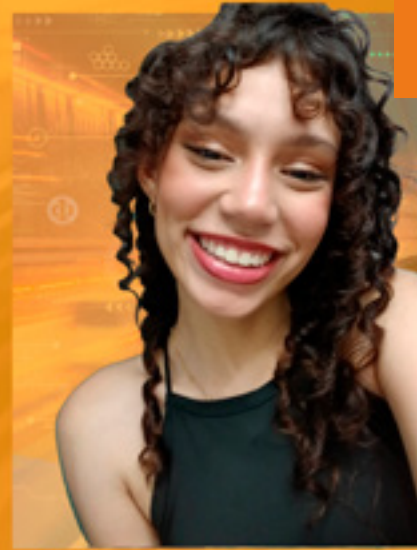
- › Universidad Simón Bolívar.
- › Universidad del Norte.
- › Universidad de la Costa.
- › Universidad Tecnológica de Bolívar.
- › Universidad Cooperativa de Colombia, Sede Santa Marta.
- › Fundación Universitaria Antonio de Arévalo.

Our Mission is to contribute to achieving society's goals by promoting the benefits of membership to attract new members and retain those who are already part of the chapter.

Our Vision is to strive to become the leading IEEE Computer Society chapter in Region 9 Latin America and globally, convening impactful events that engage children, teenagers, young professionals, professionals, academia, industry, and government for the benefits of humanity.



JAMIR MOJICA



GABRIELA BARONCELLI

[New November Members](#)

Membership Stats

7 SM

› SENIOR MEMBERS

7 M

› MEMBERS

13 GSM

› GRADUATE STUDENT MEMBERS

161 ST

› STUDENT MEMBERS

Membership

03

We're in a New 2025 Membership Cycle!

Our community keeps expanding as new members join us. Renew your 2025 membership now to continue enjoying all the benefits of being part of the IEEE Computer Society.

Don't miss out—[renew your membership today!](#)

Excellence in IEEE Competitions and Volunteer Leadership

María Sola is a remarkable example of dedication and excellence as an active IEEE CS volunteer. She has participated in events such as IEEE Xtreme Programming, excelling not only as a competitor but also as an ambassador, inspiring others to join. Her talent and commitment have earned her victories in both the IEEE Xtreme Programming and the IEEE CS Challenge, solidifying her role as a leader and role model within the community.





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› Awarding of Certificates of Appreciation



IEEE CS B2S KIC Mentors,

Recap all CS chapters

IEEE Colombian Caribbean Section Computer Society Chapter

As the year comes to an end, we proudly celebrate the successful completion of the 2025 business plan for **IEEE CS Byte2Solution**. This achievement has been made possible through the collective effort and dedication of everyone involved in the program, contributing to its various initiatives: *WIC*(Women in computing) , *KIC*(Kids in computing), *YIC* (Young in Computing), *Programming, Challenge and Beyond Binary*, and many more. To every participant, volunteer, and collaborator, we extend our deepest gratitude for your commitment and passion, which have brought our goals to life and driven the innovation and impact that defined this remarkable year.

Thank you for being part of this transformative journey!





IEEE CS Byte2Solution KIC - Kids in Computer

› Empowering Future Innovators.

The initiative aimed to spark interest and engagement in computing and technology among children and young learners. By building skills in programming, logical thinking, and problem-solving, the program sought to inspire the next generation of innovators and empower them to explore the digital world.

The initiative unfolded in three key phases. During the planning phase, tailored modules were designed to cater to different age groups and skill levels, supported by the training of specialized mentors. In the implementation phase, participants engaged in interactive workshops, coding challenges, and hands-on projects that fostered creativity and collaboration. Finally, the evaluation and closing phase included tracking partici-

pants' progress, gathering feedback for future improvement, and celebrating the program's achievements in a closing ceremony.

The program surpassed its goal of delivering over 100 Hours of Code™, enabling participants to develop fundamental programming and problem-solving skills. Through the guidance of dedicated mentors, children and young learners showcased creativity in their final projects, demonstrating their ability to apply knowledge innovatively. **IEEE CS Byte2Solution KIC** successfully empowered young minds, leaving a lasting impact and setting a foundation for future technological exploration.



Webinar





› Competitors and Judges

IEEE CS Byte2Solution Challenge

› Empowering Innovation.

The second edition of the **IEEE CS Byte2Solution Challenge** marked another successful year of innovation, collaboration, and technological excellence. This annual event brought together talented participants from diverse institutions to tackle complex problems, showcasing their creativity and technical skills through groundbreaking solutions.

This year, the winning team hailed from the prestigious Universidad del Nor-

te, represented by three outstanding students: **Luisa Guzmán, Jamir Mojica, and María Solá**. Their innovative approach, teamwork, and determination set them apart, earning them the championship title. Looking ahead, these talented individuals will have the opportunity to defend their title in next year's competition.





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Revolutionize your classroom with AI

› A collaboration to empower teaching and learning through innovative AI tools and methods.

We ended November with the talk “Revolutionize Your Classroom with AI”, a joint effort by the Unisimón SSIT Student Chapter, the Unisimón Department of Pedagogy, and the Open Code Foundation. During this event, we explored how to apply artificial intelligence in teaching and learning, using innovative tools and methods to transform classes into more dynamic, interactive, and personalized experiences



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Thank you for being part of this educational revolution!



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IEEE & CS

News

Find Your Next Computing Conference

Advancing Technology Through IEEE CS Conferences

The IEEE Computer Society offers a wide array of conferences that serve as platforms for professionals, researchers, and industry leaders to connect, share knowledge, and drive innovation. These events cover diverse areas such as artificial intelligence, cybersecurity, cloud computing, software engineering, and more, reflecting the society's commitment to advancing technology and its applications. Attendees benefit from keynote speeches by thought leaders, technical sessions, workshops, and networking opportunities, fostering both personal growth and collaborative progress.

With a global reach, these conferences bring together participants from academia, industry, and government, creating a unique environment for interdisciplinary exchange. Whether in-person, virtual, or hybrid, each event is designed to promote the exchange of cutting-edge ideas, showcase groundbreaking research, and build lasting professional relationships. The IEEE Computer Society's conferences are more than just events—they are vibrant hubs of innovation and inspiration for the tech community. For more information, visit <https://www.computer.org/conferences>

Discover

IEEE Computer Society Publications

Discover Excellence in Computing Research

The IEEE Computer Society's publications are a cornerstone of knowledge for professionals, researchers, and students in the computing field. Offering a diverse range of resources, including journals, magazines, and conference proceedings, these publications provide insights into cutting-edge research, emerging technologies, and industry trends. Flagship journals like IEEE Transactions on Computers and Computer magazine are renowned for their quality and impact, serving as essential references for the global tech community.

With contributions from leading experts and peer-reviewed content, the IEEE Computer Society ensures that its publications maintain the highest standards of accuracy and relevance. Whether exploring advancements in artificial intelligence, software engineering, or cybersecurity, these resources empower readers to stay at the forefront of innovation and apply new knowledge to real-world challenges. For more information, visit <https://www.computer.org/publications>.

IEEE COMPUTER SOCIETY PUBLICATIONS





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Recap Key

Submit your public key through the provided link using the private key sent to your email for a chance to win discounts on professional and student memberships. The raffle will take place in December. <https://r9.ieee.org/colombian-caribbean-computer/recap-key/>

06

Upcoming events

This December, we wrap up the year with two major events:

- » the elections for the student chapter boards, where the leaders shaping our 2025 initiatives will be chosen,
- » and a special edition of the Recap, highlighting the best moments, achievements, and lessons of 2024.



5394

Public Key



[Submit your Key!](#)





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