IEEE CS RECAP

2024 JULY

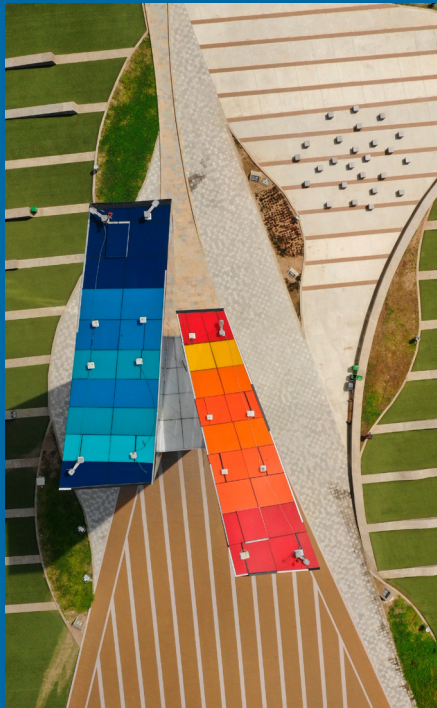IEEE COMPUTER SOCIETY

Colombian Caribbean Section Chapter

BARRANQUILLA

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

Monthly recap / Edition 007 / July 2024

Barranquilla, known as the Golden Gate of Colombia, is a vibrant city celebrated for its rich cultural heritage, bustling port, and the famous Carnival of Barranquilla, one of the largest and most colorful festivals in the world.

EXCOM

Ventana al Mundo, Barranquilla

Héctor Terán
Chair

Alejandro Corrales
Vicechair

Edwin Puertas
Secretary / Treasurer

Jorge Cáceres
Webmaster

IEEE
Advancing Technology for Humanity

IEEE ColCaribe
Colombian Caribbean Section

CONTENT

> " *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

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Editorial

CHEERS TO ONE YEAR: CELEBRATING OUR CHAPTER'S FIRST ANNIVERSARY!

It has been a year since our chapter was approved in the IEEE Colombian Caribbean section, making us the first technical chapter in the section. This milestone fills us with pride and joy, especially seeing the continuous growth in the number of new professional and student members, and the inclusion of women in our chapter.

Our main objective has been and continues to be creating a sustainable chapter over time. To achieve this, we have focused on ensuring our members know and take advantage of the benefits of being part of this chapter.

Our efforts have significantly grown our student membership. In July, a student member graduated as an engineer and became a professional member, continuing to support the chapter in his new role.

We are pleased to invite you to celebrate this first anniversary with us. Please confirm your participation via the email we sent you. It will be an opportunity to have fun, network, and continue strengthening our chapter for many more years to come.

We look forward to seeing you there!

A Year of Growth

Now Comes the Year of Consolidation

1ST ANNIVERSARY CELEBRATION

1 YEAR

IEEE
COMPUTER
SOCIETY
*Colombian Caribbean
Section Chapter*

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for Humanity

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Colombian Caribbean Section

As we move forward, our goal is to consolidate our presence in cities like Barranquilla, Cartagena, and Santa Marta, and to extend our chapters to the rest of the departments in the IEEE Colombian Caribbean Section.

Join us in celebrating!

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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.

IEEE C3 , Barranquila 2023

Mission & Vision

July 7, 23

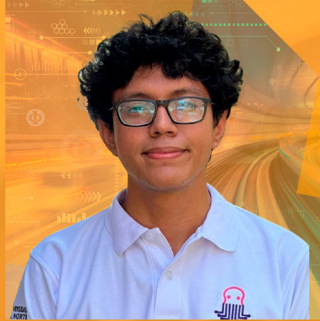› the date our chapter was approved.

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.

WELCOME

Y. RIVERA

J. ESTRADA

J. HERNÁNDEZ

Y. TORRES

Membership Stats

7 SM
› SENIOR MEMBERS

7 M
› MEMBERS

13 GSM
› GRADUATE STUDENT MEMBERS

149 ST
› STUDENT MEMBERS

New July Members

Membership

We are proud to share our impressive growth over the past year.

03

We have grown from 13 professional chapter members to 27, a 107% increase, and from 3 student members to 149, a 4867% increase, in this first year. Additionally, we have welcomed new women members every month so far in 2024. The challenge now is to retain these members, and we will be closely monitoring the renewal of each one.

Christian Caraballo

Engineer graduated from the Universidad Tecnológica de Bolívar

We are pleased to introduce Engineer Christian as the first student member to transition to professional membership since the creation of our chapter. We are delighted that he continues to support us as a professional, currently serving as a proctor for the IEEE Xtreme v18.0 competition. It is a source of pride to see him grow both personally and professionally. We wish him continued success in his career as an engineer.

› Two elementary and secondary schools participating in the IEEE CS B2S KIC.

› Training and implementation (June – July 2024).

› Engage in activities with primary school students, initiating practical programming sessions. Goal is +100 Hour of Code ™.

Students from Santo Tomás de Aquino School in Malambo along with their mentors

Recap all CS chapters

IEEE *Colombian Caribbean Section* Computer Society Chapter

We have been working hard to give our Recap a new look and feel, transforming it into a more engaging communication tool distributed monthly to our members. This way, everyone stays informed about what's happening in our chapter.

To commemorate our first anniversary, we have launched three exciting initiatives:

› **Membership Badge:** We've sent our special anniversary badge to our members to share and celebrate.

» **Celebration Event:** Join us in August for our anniversary celebration event. Please confirm your participation via the email we have sent you.

» **Anniversary eBook**: We are working on an anniversary eBook featuring photos from our celebration. If you have photos that we can include, please send them to us.

IEEE CS Byte2Solution *Kic* (Kids in Computing): We have had several sessions with the students from the Instituto Santo Tomás de Aquino. Both students and mentors are enthusiastic about participating.

IEEE CS Byte2Solution *Beyond Binary*: We have received a project to guide in applying for D&I (Diversity and Inclusion) funds.

We promoted our chapter at the GDG Barranquilla community event during the I/O Google Developer. Additionally, we supported the participation of two of our members as speakers at this event.

Stay tuned for more updates and join us in our efforts to make a positive impact in our community!
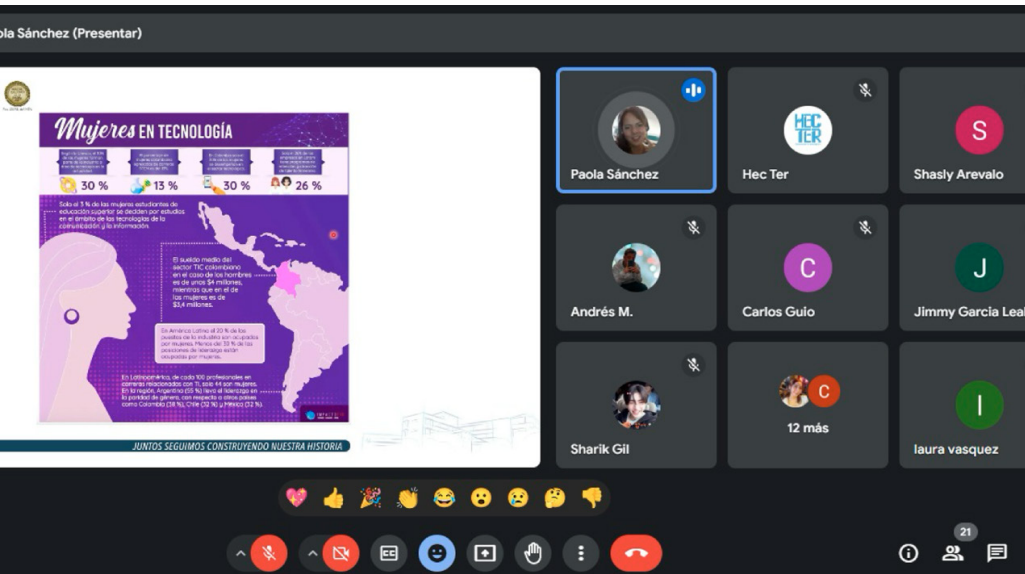
IEEE Universidad Simón Bolívar
Computer Society Student Branch Chapter

2024-2

› We had the opportunity to participate in the induction session for the new 2024-2 period.

On July 3rd, in collaboration with the WIE Unisimon affinity group, we had an exciting talk by a university lecturer exploring the fundamental role of women in the field of artificial intelligence and the Fourth Industrial Revolution. The talk covered opportunities in AI and Industry 4.0, the initiatives that have been created, and the current status and challenges that have been faced.

Webinar between the Computer Student Chapter and the WIE affinity group

IEEE Universidad del Norte Computer & Communications Societies Student Branch Joint Chapter

AI CHALLENGE

A wonderful experience was made possible with the help of the Systems Engineering Department of the Universidad del Norte and its allied student groups. Teamwork and learning reigned as students from high schools and universities came together to solve challenges involving the inclusion of artificial intelligence.

Hackathon AI Challenge 2024

Four Days of Challenges & Learning

» **Day 1:** Uninorte graduates gave talks on algorithmic and intelligent trading, and work teams were formed and introduced to the challenge.
» **Day 2:** Teams worked on the challenge with support from AI experts, gaining valuable experiences and learnings.
» **Day 3:** Teams continued working asynchronously with tutor support via Discord, submitting their solutions before midnight.
» **Day 4:** The competition concluded with international conferences by experts from Canada, the US, and Chile, followed by the presentation of projects and announcement of the winning teams: Sophia, GasCaribe, and Gusteau.

Highlights

4 days
› of competition including workshops, talks, and networking.

$1.8M
› in prizes for 1st, 2nd, and 3rd place.

4 Speakers
› Ricardo Baez
› Jefferson Schaeffer
› Adriana Lopez
› Eduardo Zurek

100+
› participants including high school students, university students, and young professionals.

Director of Systems Engineering at Uninorte, Engineer Miguel Jimeno, opening the competition.

Maria Camila, IEEE CS CUC Chapter Chair

IEEE Universidad de la Costa Computer Society Student Branch Chapter

In July, the Computer Society Chapter organized the distribution of T-shirts to facilitate the identification of its members. Additionally, the IEEE CS CUC Student Branch Chapter was introduced to new students, inviting them to join and participate in upcoming events.

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IEEE & CS

News

Diversity and Inclusion (D&I) Initiatives

The IEEE CS TCSE is offering a funding program to support "Diversity and Inclusion (D&I) Initiatives" benefiting the global Software Engineering Community. Applications from all regions are welcome, with a special interest in proposals from outside North America and Europe to promote global opportunities and inclusivity.

Support Details:

› **Funding**: Up to USD $5,000, depending on project scope and scale. Not all proposals will receive the full amount requested.

› **Duration**: Activities must take place between October 1, 2024, and April 30, 2025.

› **Eligibility:** Open to all, with priority given to IEEE CS TCSE members.

› **Submission Process:** Proposals must be submitted electronically by Monday, September 16, 2024. Late or incomplete submissions will not be considered.

› **Evaluation Criteria:** Proposals will be evaluated on innovation, financial need, clear objectives and outcomes, feasibility, sustainability, and alignment with TCSE's mission.

Our chapter provides assistance for applying to this funding opportunity.

Apply now to make a positive impact on the Software Engineering Community!

IEEE**X**TREME 18.0

Support Our Students Members in IEEEXtreme 2024!

Our chapter is excited to participate in IEEEXtreme this year with a record number of student participants. We have been preparing for this event through the IEEE CS Byte2Solution Programming initiative. We invite our professional members to support our students by serving as proctors. Proctors must be full IEEE members and will help monitor the competition, ensuring its integrity and providing encouragement. Your involvement is crucial for creating a positive and impactful experience for our future engineers. For more details on proctor eligibility and requirements, , please visit IEEEXtreme Proctor Information

1ST ANNIVERSARY CELEBRATION

Happy Anniversary!

Join us on August 17th to celebrate the first anniversary of our chapter! This is your chance to showcase your talent and be part of an exciting day of festivities. Check your email for more details and be sure to confirm your attendance by August 12th. We look forward to celebrating this milestone with you!

Upcoming

events

06

IEEE *Colombia has selected Barranquilla as the host city for the 17th IEEE Colombian Conference on Communications and Computing COLCOM 2024.*

This premier conference showcases advancements in telecommunications and computing across academic, scientific, and industry perspectives. This year's theme is "Beyond 6G and its enabling technologies in modern society." Barranquilla, recognized for its industrial and port significance, is poised to become a major logistics, manufacturing, and creative industry hub in Latin America. We anticipate active participation from government, academia, and industry sectors in this edition.

For more information, visit 2024.ieee-colcom.org

17th IEEE Colombian Conference on Communications and Computing – COLCOM 2024

21rd - 23th August

We invite you to share this opportunity with potential new members. Encourage them to join and take advantage of the 50% discount on 2024 membership, available until August 15th.

PROFESSIONAL MEMBERSHIP

IEEE 44*
COMPUTER 15*
TOTAL USD 59*

*New professional members in Colombia

For more details and to acquire membership, please visit this **link**.

07
Recap Key

We invite you to enter your public key in the designated link, alongside the private key sent to your email, for a chance to enter a draw for discounts on professional and student memberships. This draw will take place in December. https://r9.ieee.org/colombian-caribbean-computer/recap-key/

6923
Public Key

STUDENT MEMBERSHIP

	UNDERGRADUATE	GRADUATE
IEEE	7.	13.5
COMPUTER	2.	4.0
TOTAL USD	9.	17.5

IEEE COMPUTER SOCIETY
Colombian Caribbean Section Chapter

IEEE ColCaribe
Colombian Caribbean Section

* New members

IEEE COMPUTER SOCIETY

Colombian Caribbean Section Chapter

IEEE CS
RECAP
2024 JULY

BARRANQUILLA