SANTA MARTA

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

Santa Marta, founded 499 years ago, is Colombia's oldest city. Located on the Caribbean coast, it is known for its beaches, rich history, and proximity to the Sierra Nevada and Tayrona National Park. This unique combination makes it a top destination for both nature and culture enthusiasts.

CONTENT

Lost City, also known as Teyuna

EXCOM

Héctor Terán
Chair

Alejandro Corrales
Vicechair

Edwin Puertas
Secretary / Treasurer

Jorge Cáceres
Webmaster

IEEE
Advancing Technology for Humanity

IEEE ColCaribe
Colombian Caribbean Section

> *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

HAPPY IEEE DAY!

01
Editorial

October has been a month filled with joy for our chapter, coinciding with the celebration of the 15th anniversary of IEEE Day. It has been a crucial month to advance our business plan and consolidate the achievements of the IEEE CS Byte2Solution program. We are proud to have completed the KIC - Kids in Computing initiative, achieving over 100 hours of coding with underprivileged students from the municipality of Malambo.

In collaboration with CAS, TEMS, and Young Professionals, we have fostered the entrepreneurial spirit of our young professionals through the IEEE CS YIC initiative. As part of this effort, we invited a Distinguished Visitor (DV) to visit three universities, promoting learning and innovation. This event has strengthened bonds between chapters and motivated students to explore new opportunities in technology, laying a strong foundation for future collaborations.

What fills us with the most pride is our historic and successful participation in the IEEEXtreme Programming Competition. Since March, we have recruited and trained participants to form our programming team, preparing them mentally and spiritually for this competition. We created a comfortable, safe, and motivating space for competition, and the results reflect our hard work and dedication.

We are confident that we are made for even greater achievements. We extend our deepest gratitude to our members for their support in renewing and acquiring memberships, which enables the growth and consolidation of our chapter, as well as the IEEE Computer Society, to easily fund various IEEE CS Byte2Solution initiatives. Together, we continue making history!

Celebration of the 15th Anniversary IEEE DAY

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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.

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

IEEE
COMPUTER
SOCIETY

Universidad Simón Bolívar
Student Branch Chapter
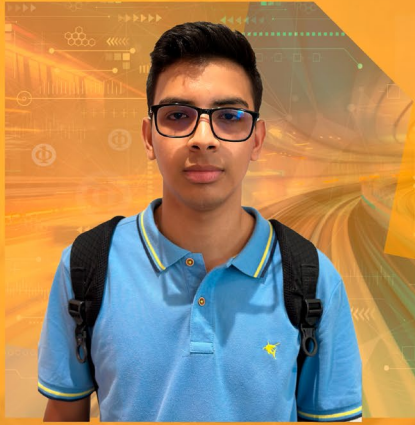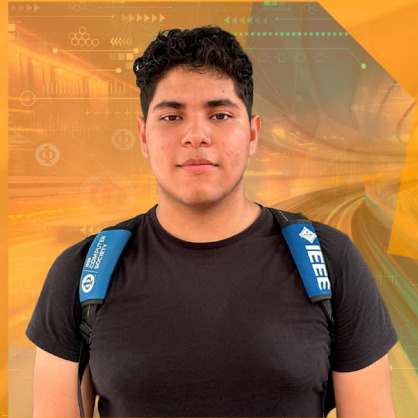
GIOVANNY ANGULO **ALAN RODRÍGUEZ** **ELÍAS FUENTES**

New October Members

Membership Stats

7 SM
› SENIOR MEMBERS

7 M
› MEMBERS

13 GSM
› GRADUATE STUDENT MEMBERS

159 ST
› STUDENT MEMBERS

Membership

We're in a New 2025 Membership Cycle!

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Our community continues to grow with new members joining us. Now is the time to renew your 2025 membership and keep enjoying all the benefits of being part of IEEE Computer Society.

Don't miss out—renew your membership today!

Congratulations to the Travel Grant Winners!

Maicol Vivero and Karen Quintana, student members, have won a travel grant to attend the IEEE CS Byte2Solution Young in Computing event during IEEE Day, with activities at Unveirsidad Simón Bolívar and Universidad del Norte.

Stay tuned for future travel grants and other exciting opportunities!

Chapter Board with DV, Speaker, and Dean of Engineering from UPB

› Awarding of Certificates of Appreciation and Commemorative Pin

Recap all CS chapters

IEEE *Colombian Caribbean Section*
Computer Society Chapter

Our 2025 business plan is progressing successfully, and October was a key month to consolidate our initiatives. As part of the 15th anniversary celebration of IEEE Day, we successfully completed significant projects within the **IEEE CS Byte2Solution** program, including *KIC(Kids in computing)*, *YIC (Young in Computing)* and *Programming*.

Each of these activities reaffirms our commitment to strategic goals, promoting learning, innovation, and skill development among youth and children in the fields of technology and computing.

To complete the plan, we only have two initiatives left: the *Challenge*, scheduled for November, and the *Awards*, which will take place in the first quarter of 2025.

IEEE
COMPUTER
SOCIETY
*Universidad de la Costa
Student Branch Chapter*

IEEE CS Byte2Solution YIC - *Young in Computer*

IEEE
COMPUTER
SOCIETY
*Universidad Simón Bolívar
Student Branch Chapter*

Webinar

› Empowering Young Innovators on a Global Stage.

IEEE CS Byte2Solution *YIC* In celebration of the 15th anniversary of IEEE Day, this event provided the ideal platform to advance IEEE Computer Society Goals 1 and 2. Organized in collaboration with the TEMS and CAS chapters of the section and funded by IEEE Young Professionals, it aimed to inspire young professionals in technology.

The event featured prominent speakers, including Distinguished Visitor **Dr. Adel Elmaghraby** from the IEEE Computer Society and Distinguished Lecturer **Roberto La Rosa** from IEEE CAS. Additionally, this gathering was part of the prestigious Cátedra Europa event held at Universidad del Norte.

The celebration extended to Universidad Simón Bolívar, where Dr. Elma-

ghraby led sessions, and to an event in Montería, organized by the IEEE TTTT Section's Student Activities Committee (SAC).

Young entrepreneurs Juan Cuao, Felipe González, and Victor Guzmán showcased their startup pitches, inspiring students with their innovation and learning from an expert panel of industry leaders and guest speakers.

The event provided an opportunity for Dr. Adel Elmaghraby to receive a Certificate of Appreciation from DVP Director George Proeller, along with a commemorative pin awarded to Chapter President Héctor Terán, recognizing the chapter as a prominent and impactful presence since its establishment.

Watch the
Best Moments
of IEEE CS YIC &
IEEE DAY!

› Team Programming

IEEE **CS** Byte2**Solution** *Programming*

› IEEE Colombian Caribbean Section Computer Society Chapter
Shines in IEEEXtreme 18.0 with Its Programming Team

This year, the IEEE Colombian Caribbean Section Computer Society Chapter, through the **IEEE** **CS** **Byte2Solution** *Programming* initiative, achieved remarkable progress in forming a regional programming team for the Colombian Caribbean. With participants from various student branches within the IEEE Colombian Caribbean Section, the teams dedicated themselves to preparing for programming competitions, especially the IEEEXtreme 18. Programming Competition.

Key Highlights

» The Colombian Caribbean Section reached a historic milestone with 18 teams out of 30 from all of Colombia, marking the highest regional representation in the competition's history.
» In performance analysis, this section excelled with a higher average rank and a median rank close to the top, with 8 teams in the top 10 in the country.
» For the first time in the section's history, there were female participants, emphasizing inclusion and the growth of female representation in high-level programming competitions.

IEEEXTREME

IEEE **CS** Byte2**Solution** *Programming*

› A special thanks to Universidad Simón Bolívar for hosting the IEEExtreme 18.0 event..

Teams

Rank	Team - University	Rank	Team - University
1	Djikstructores- UNINORTE	10	Axis- UNISIMON
2	3byte - UNISIMON	11	ByteBrigada- UNISIMON
3	DevUnimag- UNIMAGDALENA	12	AngryKittens- UNISIMON
4	CoderWalkers- UNITECNAR	13	ByteSharks- UNINORTE
5	ForceCode - CUC	14	SnackOverflow- UPB MONTERIA
6	Argonaut- UNISIMON	15	Godeaters - UNIAUTONOMA
7	Water7- UNISIMON	16	ByteDuo- UNISIMON
8	AlgorithMinds- CUC	17	STDWinners- UNINORTE
9	Tulumbuluculus- UTB	18	SkillsNotFound- UPB MONTERIA

Table of the participating teams in the section

1ST PLACE IN THE SECTION

Djikstructores David, Maria & Jorge

Special congratulations to the team **Djikstructores** for securing first place within the section and second place nationwide. Comprising María Sola, David Díaz, and Jorge Sánchez, this team stood out for their dedication and effort, proudly representing the Colombian Caribbean Section

This increase in participation and performance was made possible by the IEEE CS Byte2Solution Programminginitiative, which, since April, organized weekly training sessions, workshops, and bootcamps. These activities not only improved the participants' technical skills but also boosted their motivation and commitment to the competition.

With financial support from the IEEE Computer Society and Universidad Simón Bolívar as the host venue, optimal conditions were ensured for the competitors, including:
» 24-hour concentration in a single location, optimizing focus and strategy during the competition.
» Adequate technological equipment, providing the tools necessary for a strong performance.
» Food and official uniforms, fostering team spirit and a sense of belonging among participants.

A special thank you goes out to the proctors, ambassadors, and volunteers who made these achievements possible. Their dedication and support were instrumental in ensuring that teams had the best conditions to compete and excel in IEEEXtreme 18.0

This initiative is expected not only to continue but also to expand in the coming year, allowing the Colombian Caribbean programming team to participate in more local, national, and international competitions. The commitment of the IEEE Colombian Caribbean Section Computer Society Chapter and its dedication to developing programming talent promises a bright future for young programmers in the Colombian Caribbean region.

Watch the Best Moments of IEEEXtreme 18.0!

IEEE CS Byte2Solution *KIC*

› Building Computational Skills for the Next Generation

With this **IEEE CS Byte2Solution** *KIC*, we have reached over 100 hours of code, impacting more than 30 high school students and 60 children in primary education. This initiative stands out for including unplugged activities that enhance computational thinking, adapting and contextualizing activities from Hour of Code, TryEngineering, and Google's CS First.

We'll be celebrating the program's success in the last week of November with a certificate ceremony and special recognitions.

IEEE CS B2S KIC

IEEE Fundación Universitaria Antonio de Arévalo Computer Society Student Branch Chapter

Juan Cuao

Erick Donado

New Chapter is Born

On October 21, the Student Chapter Launch of the IEEE Branch Unitecnar took place, with the participation of its board and the IEEE Computer Society Professional Chapter board. The event featured two prominent guest speakers: Juan Cuao, Systems Engineer, who led the workshop Developing an App in Minutes, and Erick Donado, Captain of the IEEE CS Colcaribe Programming Team, who presented on The Impact of AI in Competitive Programming. The day included a networking session among attendees and concluded with delicious snacks for everyone.

IEEE Universidad de la Costa Computer Society Student Branch Chapter

After discussing the pertinent details for the NGT Workshop - Fullstack Xperience last month, the event took place on October 1st. During the session, speaker Angie Zúñiga created a simple e-commerce application using a 3-layer architecture: presentation with Vue.js, application with FastAPI, and data with SQLite.The day included a networking session among attendees and concluded with delicious snacks for everyone.

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IEEE & CS
News

IEEE Computer Society - Distinguished Visitors Program- DVP

Are you passionate about inspiring others and strengthening the computer science community? The IEEE Computer Society's Distinguished Visitors Program (DVP) connects accomplished technology leaders with professional and student chapters worldwide. This initiative allows chapters to invite recognized experts to deliver talks, workshops, and lectures, fostering education, innovation, and connection in computer science and technology.

How to Become a Distinguished Visitor

Becoming a Distinguished Visitor is a unique opportunity to share your expertise, reach a global audience, and represent IEEE Computer Society's values. Candidates should be field experts with experience in public speaking and a commitment to professional growth and education. As a Distinguished Visitor, you'll contribute to advancing computer science while expanding your professional network and enhancing your leadership skills.

DVP

Distinguished Visitors Program

DISTINGUISHED VISITORS

Benefits of Being a Distinguished Visitor

Global Impact: Share your knowledge and expertise with communities eager for new perspectives and specialized insights.
Professional Growth: Strengthen your communication, leadership, and teaching skills in diverse settings.
Networking Opportunities: Join a network of experts and professionals who share your passion for tech education.

If you're ready to make a difference in computer science and contribute to the IEEE Computer Society's mission, consider becoming a Distinguished Visitor. This is your chance to inspire the next generation and be part of a global program with lasting impact.

Take the Next Step
Learn more about the Distinguished Visitors Program and start your journey towards becoming a Distinguished Visitor today! Visit https://www.computer.org/communities/professional-chapters/distinguished-visitors-program.

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Recap Key

We invite you to submit your public key via 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 occur in December https://r9.ieee.org/colombian-caribbean-computer/recap-key/

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Upcoming events

Join the Second Edition of the **IEEE CS Byte2Solution** *Challenge*

Compete for amazing prizes 🏆 and a spot in the next edition of the **IEEE CS Byte2Solution** *Challenge*

» **November 20th - Training Session:** Teams will participate in a session to develop skills in Elevator Pitch, Business Model Canvas, and Prototyping—essential tools for effectively structuring and presenting their projects.
» **November 21st-26th Semifinals:** Teams will compete in an internal round to select the representative from each university for the grand finale.
» **November 30th Grand Finale in Cartagena:** Hosted at Unitecnar, the finalists and the winning team from the previous edition will compete for the title in the grand finale.

5780
Public Key

Submit your Key!

IEEE COMPUTER SOCIETY

Colombian Caribbean Section Chapter

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2024 OCTOBER

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