



**IEEE  
COMPUTER  
SOCIETY**

*Colombian Caribbean  
Section Chapter*

VALLEDUPAR

2024  
APRIL  
RECAP

7.7.2023



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## 1 Editorial



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.  
Hector.

We are delighted to announce the successful closure of registrations for our programming competition, with over 100 participants hailing from various universities across Barranquilla, Cartagena, and Santa Marta. Notably, we are witnessing a gradual increase in female participation, underscoring our commitment to fostering diversity and inclusion in the tech sector.

In addition, we have initiated training sessions across various groups aimed at achieving strong participation in the IEEE Xtreme 18.0

Furthermore, we had the pleasure of organizing two collaborative events with communities affiliated with the CaribeDep hub, setting the stage for more fruitful partnerships and joint initiatives in the future.

Additionally, our visits to local schools as part of the Kids in Computing program are igniting curiosity and passion for technology among young minds.

As we move forward, we remain committed to fostering collaboration, empowering individuals, and advancing the field of technology for the betterment of society..



Hector Teran

Chapter Chair

IEEE Colombian Caribbean Section Computer Society Chapter.

## 2 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.



### 3 Strategic Goals and Themes for the Society and Section

#### 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.

#### Strategic Goals for the Section

**Goal 1.** Strengthening of Memberships and Volunteerism.

**Goal 2.** Establishment of Professional and Student Branch Chapters.

**Goal 3.** Student Empowerment.

**Goal 4.** Strengthening at the national level by identifying potential Senior Members, Distinguished Visitors who participate in IEEE C3 and other national and international events.

### 4 Our Mission and Vision

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.



## 5 Our New Members

Throughout the year 2024, we have seen a consistent stream of new additions to our community, spanning across students and professionals. This ongoing growth reflects the dynamic and inclusive nature of our chapter. To our newest members, we extend a heartfelt welcome and invite you to join us in shaping the future of technology together..

On this occasion, we introduce:

### NEW APRIL MEMBERS

MÓNICA	LUÍS	SIMÓN	ANDRÉS	ALBERTO	EDUARDO
WILMAR	KAROLL	DAVID	MOISÉS	ÁNGEL	FRANCISCO
ALEJANDRO	RONALD	JEAN	JUAN	JOEL	SAMUEL
ENRIQUE	ÁNGEL	MARCO	DAVID	EFRAÍN	JUAN

## 6 Recap all Chapters

### 6.1 IEEE Colombian Caribbean Section Computer Society Chapter

Here's a quick recap of the latest from our Professional Chapter:

◆ **Vacancy for WiC Representative:** Calling all aspiring women in computing! We have an open position for the role of WiC (Women in Computing) Representative. We look forward to receiving your applications!

◆ **IEEE CS Byte2Solution Programming:** The IEEE CS Byte2Solution Programming has concluded its registration stage with over 100 participants from 11 universities in the Colombian Caribbean region. Now, we embark on the training phase from April to July, gearing up for the sectional competition on August 10<sup>th</sup> and the international challenge of the IEEEExtreme Programming Competition 18.0. With the kick-off and the first week of training for the IEEE CS Byte2Solution Programming, we celebrated **IEEE Education Week™**.

◆ **IEEE CS Byte2Solution KiC:** The recent visit of the chapter officers to Instituto Santo Tomas de Aquino in Malambo, marks a significant advancement for The IEEE CS Byte2Solution KIC (Kids in Computing) initiative. During this visit, the institute's participation was formalized in the program, solidifying its commitment to the cause. This initiative aims to introduce computational thinking to children and adolescents in vulnerable communities.

◆ **Alliances:** Our chapter supported the launch event of the AWS Barranquilla Community, as well as the Barranquilla-IA event organized by the Google Developer Group Barranquilla. We conducted a preparatory workshop for the latter event and held a raffle for a ticket among the student members of the chapter.







Here's a quick recap of our exciting activities this March:

◆ **First Java Workshop:** We recently held our first Java programming workshop aimed at first-semester students. The main goal was to motivate students to delve deeper into Java and gain a clearer understanding of its functionality. This workshop provided a solid foundation that will be invaluable in their future careers.

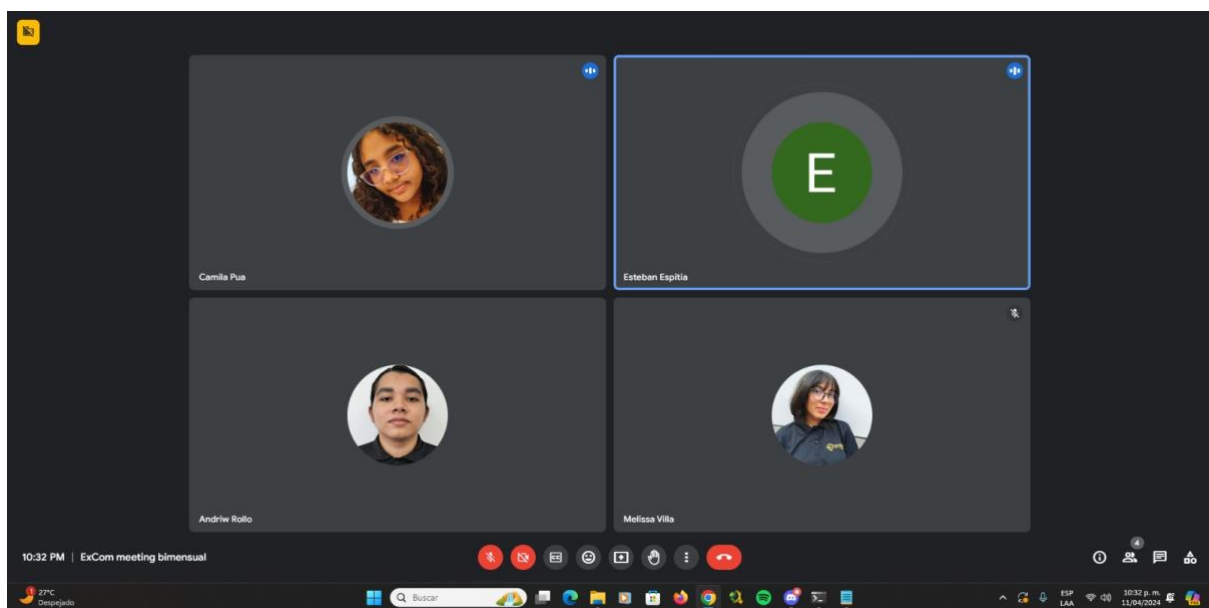
◆ **Second Java Workshop::** We participated in IEEE Education Week, where we promoted education and a desire to learn among IEEE members. We continued the workshop for first-semester students, focusing on teaching the fundamentals of Java and providing the necessary knowledge to understand this programming language. The atmosphere was conducive to learning, with students showing great respect and collaboration, resulting in new insights for those seeking to deepen their knowledge.



### 6.3 IEEE Universidad de la Costa Computer Society Student Branch Chapter

Here's a quick recap of our exciting activities this March:

◆ **ExCom Meeting** During this month's bi-monthly meeting of the former IEEE CS CUC ExCom, pending matters and individual responsibilities were discussed, along with planned activities for April and May. Following an analysis, it was decided to focus efforts on the optimal development of training sessions for IEEE CS Byte2Solution Programming, with specific actions aimed at enhancing their quality and effectiveness. The importance of communication among ExCom members and the commitment to excellence in training was reiterated..



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

Here's a quick recap of our exciting activities this March:

◆ **Healtech: Discovering the power of clinical data with Machine Learning:** In this opportunity our speaker explained the methods used for the extraction and analysis of these types of data, as well as the technologies most used to perform these analyses. It was a space of great learning about machine learning and its application in different areas.

◆ **SYSCTL: Introduction to Linux:** In this incredible activity we introduced our members to the exciting world of Linux, we took the first steps in this operating system, its main advantages, its attributes, and some of its commands. We also had the pleasant presence of Carlos Mestre, leader of Linux Barranquilla who told us about his professional experience and the various use cases of this versatile operating system.



## 6.5 IEEE Universidad Cooperativa de Colombia Sede Santa Marta Computer Society Student Branch Chapter

Here's a quick recap of our exciting activities this March:

- ◆ **WordPress Workshop:** Participants learned website creation and management using WordPress, enhancing their online presence.
- ◆ **Telecommunications and Energy Transformation Talks:** Experts delved into trends and advancements in telecommunications while also exploring technology's role in sustainability, addressing digital challenges and opportunities in both fields..
- ◆ **Open Hardware Celebration:** Promoted open hardware's impact on innovation, stressing collaboration in development.
- ◆ **Energy Transformation- Talk:** Explored technology's role in sustainability, addressing challenges and opportunities.
- ◆ **World Technology Day:** Reflected on technology's societal role, emphasizing innovation and global problem-solving.
- ◆ **Girls in ICT Day:** Encouraged young women to pursue tech careers, promoting gender diversity.
- ◆ **FLISoL Participation:** Advocated for open-source software, reaffirming commitment to collaboration and accessibility.





## 7 Awards, Scholarships, & Contests from IEEE Computer Society

**Upsilon Pi Epsilon Honor Society Award:** The Upsilon Pi Epsilon (UPE) Honor Society Award, in collaboration with the IEEE Computer Society, promotes academic excellence in computing. It offers up to four \$1,000 awards annually, along with a certificate and a one-year subscription to a Computer Society periodical. Eligibility requires a minimum GPA of 3.0, matching UPE membership criteria. Application

<https://www.computer.org/volunteering/awards/scholarships/upe-student-award>

## 8 Upcoming Events



**Objective:** This event celebrates excellence, innovation, and contributions in computing, aiming to inspire professionals and students alike to strive for continuous excellence and innovation in the field.

## 9 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/>

**PUBLIC KEY : 6198**



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