Executive Summary:

The Univ. Central de Venezuela Student Chapter at SPIE was established on 20 April 2015 and operates as a combined chapter with the Univ. Central de Venezuela Student Chapter at The Optical Society in the Faculty of Science at Universidad Central de Venezuela. This alliance joins forces with a student group called Spectrum at the same Faculty to hold meetings, conferences, workshops and research, and outreach activities. The chapter includes student members from SPIE, OSA and Spectrum.

The purpose of the Univ. Central de Venezuela Student Chapter at the SPIE and OSA is to support not only optics and photonics students but students of all kind of careers at the Faculty of Science at the Universidad Central de Venezuela by providing academic resources in the field of optics and photonics, facilitating personal and career development to its members through workshops, conferences, researches and networking opportunities, and representing and discloses the study of light to the public.

In 2017 we visited the National Center of Optics Technologies. This year they contacted us requesting help to open a chapter in OSA and SPIE. We are very proud to promoted chapters in OSA and SPIE and helping them to open a new chapter in Venezuela. This will be great for futures activities.
Our biggest challenge this year was to keep the momentum of great activities in 2017 and 2018. Our members were too busy to hold big events this year. So, new officers have the obligation to activate all the members of the chapter to organize new activities and retake big events. Also, some officers of 2018 will get their degrees the next year, so they will serve as chapter’s mentors or a guide to younger and new members.

Contact Information:

For general question about our chapter, please email us at osaspieucv@gmail.com or to our chapter advisor, Vincent Piscitelli, at vpiscitelli@gmail.com.

Blog: coming soon.
Facebook Page: https://www.facebook.com/osaspieucv
Twitter: https://twitter.com/osaspieucv
Instagram: https://www.instagram.com/osaspieucv

2018 - 2019 Officer Listing:

Rosinel Alfonzo
President
Undergraduate Student, B. Sc in Chemistry
rosinel.alfonzo22@gmail.com
She/her/hers

Luis Acevedo
Vice-president
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luis94acevedo@hotmail.com
He/his/his

Luis Rodríguez
Secretary
Undergraduate Student, B. Sc in Chemistry
luisdavid9415@gmail.com
He/his/his

Lilian Salas
Treasurer
Undergraduate Student, B. Sc in Chemistry
lilian18salas@gmail.com
She/her/hers

2019 – 2020 Officer Listing:

Jhamal Salazar
President
Undergraduate Student, B. Sc in Chemistry
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He/his/his

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Vice-president
Undergraduate Student, B. Sc in Chemistry
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He/his/his
Daniela Castillo
Secretary
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She/her/hers

José Tovar
Treasurer
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Jhonnayker Paredes
Vocal
Undergraduate Student, B. Sc in Physics
jhonnayker9313@gmail.com
He/his/his

Student and Community Membership

At the time of this report, there are 15 student members affiliated to the Univ. Central de Venezuela Student Chapter and there are currently about 21 students involved in the Univ. Central de Venezuela Student Chapter and the Spectrum Student Group.

<table>
<thead>
<tr>
<th>Name</th>
<th>Email</th>
<th>Expected Grad Month/Year</th>
<th>SPIE Membership Expiration Date</th>
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<tbody>
<tr>
<td>Jhamal Salazar</td>
<td><a href="mailto:jhama.martinez@gmail.com">jhama.martinez@gmail.com</a></td>
<td>December 2020</td>
<td>05/09/2020</td>
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<td>Wladimir Ruiz</td>
<td><a href="mailto:wladimir0813@gmail.com">wladimir0813@gmail.com</a></td>
<td>December 2020</td>
<td>10/23/2020</td>
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<tr>
<td>Daniela Castillo</td>
<td><a href="mailto:dani241198@gmail.com">dani241198@gmail.com</a></td>
<td>December 2022</td>
<td>10/23/2020</td>
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<tr>
<td>José Tovar</td>
<td><a href="mailto:jdaniel957@gmail.com">jdaniel957@gmail.com</a></td>
<td>December 2020</td>
<td>04/22/2020</td>
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<tr>
<td>Jhonnayker Paredes</td>
<td><a href="mailto:jhonnayker9313@gmail.com">jhonnayker9313@gmail.com</a></td>
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<td>10/23/2020</td>
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Activities Report

**Demos at Santa Monica High school**

*Date/Time/Location:* March, 2019 from 9 am-12 pm in the Santa Monica High School, Caracas  
*Participants:* 150 (students of Santa Monica High School)  
*Cost:* $40 (For snacks and refreshments, transportation, demo supplies.)

We gave demos about light and its properties to high school students. We presented the way light travel in a given medium, the composition of light; we talk about spectroscopy and some applications of light to technologies.

**Demos at Emil Friedman High school**

*Date/Time/Location:* April, 2019 in the Emil Friedman High School, Caracas  
*Participants:* 215 students (students of the Emil Friedman High School)  
*Cost:* $60 (For snacks and refreshments, transportation, demo supplies.)

We joined to the “Teatro de la Ciencia” of the Faculty of Science at the Universidad Central de Venezuela to give demos and sketches to high school students. We talk about light, polarization of light, spectroscopy. We took place in some sketch of chemistry (luminescence).
Demos at Universidad Central de Venezuela for elementary school and high school students

Date/Time/Location: May, 2019 in the Faculty of Science, Universidad Central de Venezuela, Caracas
Participants: 290 students (elementary and high school students)
Cost: $30 (For snacks and refreshments.)

We joined to the Physics School and Demonstration Laboratory of the Physics School and the Chemistry School of the Faculty of Science to give demos about light to elementary students at the campus and we gave them a tour for two laboratories (one of optics and one of mechanics).

Demos at Universidad Central de Venezuela for new undergraduate students in the fields of physics, chemistry and biology

Organizer: Jhamal Salazar (President at SPIE chapter) and Jose Daniel Tovar (treasurer at SPIE chapter).
Speaker: Jhamal Salazar, Luis Acevedo and Gustavo Martinez.
Date/Time/Location: November 1, 2019 from 9-11:30 am pm in Universidad Central de Venezuela, Caracas
Participants: 70 students (new students at the Faculty of Science)
Cost: $20 (For snacks and refreshments.)
We introduce new students to the life in the campus and gave them chemistry demos (related to light) and spectroscopy demos. We encourage them to join to the chapter and other groups within the campus and to learn more about and to be interested in photonics and optics.

Science Week at “Congreso Estudiantil de Investigación y Desarrollo Científico CEIDEC 2019”

**Organizer:** Jhamal Salazar (President at SPIE chapter), Wladimir Ruíz (President at OSA chapter and vice-president at SPIE chapter).

**Date/Time/Location:** November 12, 13 and 14, 2019 in the Wilson Building, Room 203

**Participants:** 30 students (They were mostly new undergraduate students)

**Cost:** $60 (For snacks and refreshments, POP Materials.)

We organized 3 activities for the Science Week and joined to the Physis Group to make these activities in the CEIDEC 2019. The first activity was a Talk about the Univ. Central de Venezuela OSA/SPIE Student Chapter (speaker Jhamal Salazar) and the benefits of these two societies for students and research. The second activity was a demo about properties of light to promote our new place in the campus. The third activity was a Lab’ hopping, a tour thought 3 laboratories in the Chemistry School: Laser Spectroscopy Laboratory, Solutions equilibrium Center, and Natural Products Laboratory. All laboratories are related by their researches in nanoparticles and the use of LIBS and UV techniques to study them. In this tour, students can interact with young researchers, professors and consecrated researchers in the laboratories and to know what they do.
Student Groups Fair of Universidad Central de Venezuela

**Date/Time/Location:** November 19, 2019 from 8:00 am-12:30 pm in Universidad Central de Venezuela, Caracas  
**Participants:** 150 (community of the campus)  
**Cost:** $30 (For snacks and refreshments, POP Materials.)

We participated in a Student Groups Fair where we promoted our chapter and the Spectrum Group, talking about our members, our activities, and researches and giving some demos to people.

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*Anticipated cost

Conclusions and Recommendations

We need to take action in big activities in future years. We have the contacts and the necessary members to do it, so we need to put hands-on this. Also, we are looking forward to holding workshops to gain new skills and knowledge for everyone, promoting open science. We need a webpage and an effective marketing plan for our activities.

We joined force in the past with great companies as National Center of Optics Technologies (CNTO) and Bolivarian Agency for Space Activities (ABAE). They are great forces for big events. You need to contact them via social medias and (ABAE) in their offices.