

Project Proposal



Outline

- Motivation
- Vision, Mission and Purpose statements
- Structure
- Projects
- Pilot stage
- Who are we?

Motivation

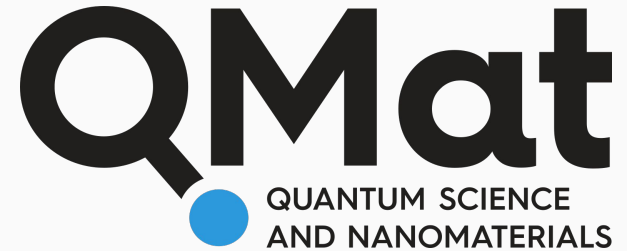
What inspire us?

Motivation

The initiative like **CEVALE2VE** is a good example of scientific and academic support in the field of Particle Physics for the young physicist at the principal institutions in Venezuela.

QMat represent a good model of how to organize a community with the goal to bring together *research, industry and academy*, as well as a role model for mentoring programmes.

AlumnUSB is a proof that the universities can be helped at a distance by its graduates considering the needs informed by the USB community.



Vision, Mission & Purpose statements

What we want to do? How we want to do it? Why we want to do it?

Vision

- Provide undergraduate **mentoring**
- Offer a platform that allows venezuelan undergraduate students to **look for postgraduate options abroad** (internship program, fundraising campaigns promotion etc)
- Offer an entity that allows **interaction and scientific collaboration between current students and former students** of the career who are now beyond the venezuelan borders carrying out high-level research
- Provide to the COF Alumni USB community with an opportunity to **share knowledge and deepen in many of the fields of physics**
- Improve career-room ('Sala de COF') **facilities**
- Improve the quality of the professionals at the USB, through the institutionalization of our community of graduates of the career and active students in the USB for the **promotion of courses**.

Mission

Involve undergraduate and graduate students currently enrolled in the USB, as well as those doing postgraduate studies abroad. Additionally, invite those researchers (postdocs, junior research, senior research and professors) to take part in the community.

Undoubtedly those alumni who are in the industry or doing entrepreneurship are equally welcome.

Purpose statement

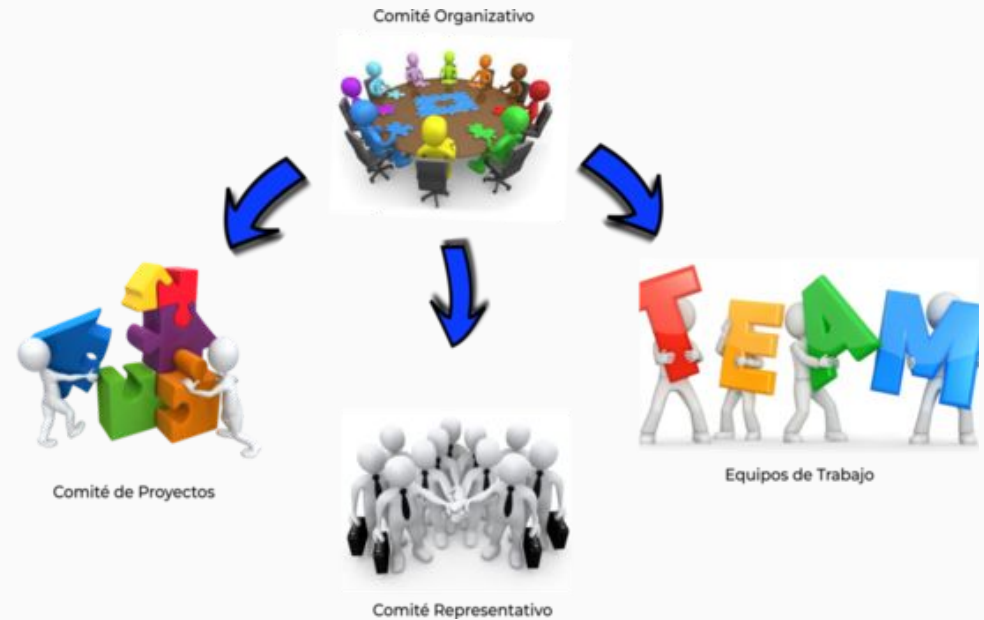
The Venezuelan diaspora is a fact and the students of the Degree in Physics at the Simón Bolívar University (USB) are no stranger to this unfortunate situation. Inspired by initiatives such as CEVALE2VE, AlumnUSB and EUR QMat, the idea of creating a non-profit organization based on the volunteering of its members has emerged, allowing not only to appease the economic effects but also the deterioration of the professional quality of graduates of the career and expedite opportunities to continue your career as physicists.

Structure

How we are organized?

Structure

The **Organizing Committee** is responsible for coordinating the **Work Teams**, the **Representative Committee** and the **Projects Committee**.



The *work teams* will be responsible for performing Events and News, Communication and Registration, Website tasks among others. The *Representative Committee* will be in charge of carrying out formalities and being the face of the institution, as well as establishing relationships with possible allied organizations. The *Projects Committee* will be in charge of taking the direction of each project promoted by *COF Alumni USB* in which decisions are taken by consensus, gradually increasing the participation of other coordinators / committees according to their degree of importance.

Projects

What are our plans?

Block A

Professional

The projects in this block are meant to improve the quality and expand the horizons of the youngest students of physics.

Additionally, offer first experiences of mentoring and training as active collaborators for the early researchers, representing a source of future graduate students.

- 1. Mentoring programme:** project for assign/match a undergrad with any volunteer (PhD, post-doc etc) that bring academic guidance and professional advising.
- 2. Adopting programme:** project for match undergrad students with a former member of COF USB that is abroad that can bring any kind of support to achieve an academic project (join to a PhD or Master programme)
- 3. Scholarships/fellowship programme:** scholarships and grants for students in Venezuela to mitigate the economical obstacles that the current crisis implies
- 4. Internships programme:** short visit to overseas labs to complete part o do a thesis that it is validated by the university
- 5. Scientific collaboration programme:** establish common scientific interest between members that can lead to collaborations (e.g. articles, conferences talks/poster etc)

Block B

Academic

The projects in this block are meant to promote, motivate and improve the knowledge in trend research fields of our community as well as communicate the current work of the different members.

They are also focus in the improvement of physical conditions of the young generations of Physicists at USB.

6. Educative COF: project for keep doing online courses like the Particle Physics by CEVALE2VE and the one of Astrophysics that is currently taught, plus add new topic courses (e.g. Quantum Information)

7. *Online seminars & colloquiums:* recovery the old tradition of Physics colloquiums by members of the USB Physics community (mostly by the PhDs abroad)

8. *Scientific chatting & journal clubs:* informal online chats/discussion about hot-topics

9. *Student career-room (COF) upgrades:* improvements of the career facilities (desks, chairs, computers, books etc)

10. *Online conferences:* following a green-thinking, create online conferences vía online

Block C

Organizational

The projects in this block are meant to recognize the scientific work, contribute with the COF Alumni USB initiative and support student scientific projects.

11. Annual Merit Award: prize awarded to the students and researchers who, under the decision of a jury, honor to receive it.

12. Join the organizing group of COF Alumni USB: participate actively in the formation and growth of COF Alumni USB

13. *International Physicists' Tournament:* organization and support for team of students that wish to participate in the IPT or any other similar activity (e.g olympiads)

14. *Newsletter:* general brochure with the activities of the month of COF Alumni USB, with some extra (e.g. interviews or announcements)

Pilot Stage

What is our plan at short-term?

COF Alumni USB will start carrying out some of the most relevant proposals of the blocks exposed previously:

Block A

Projects: 1, 2 & 5.

Block B

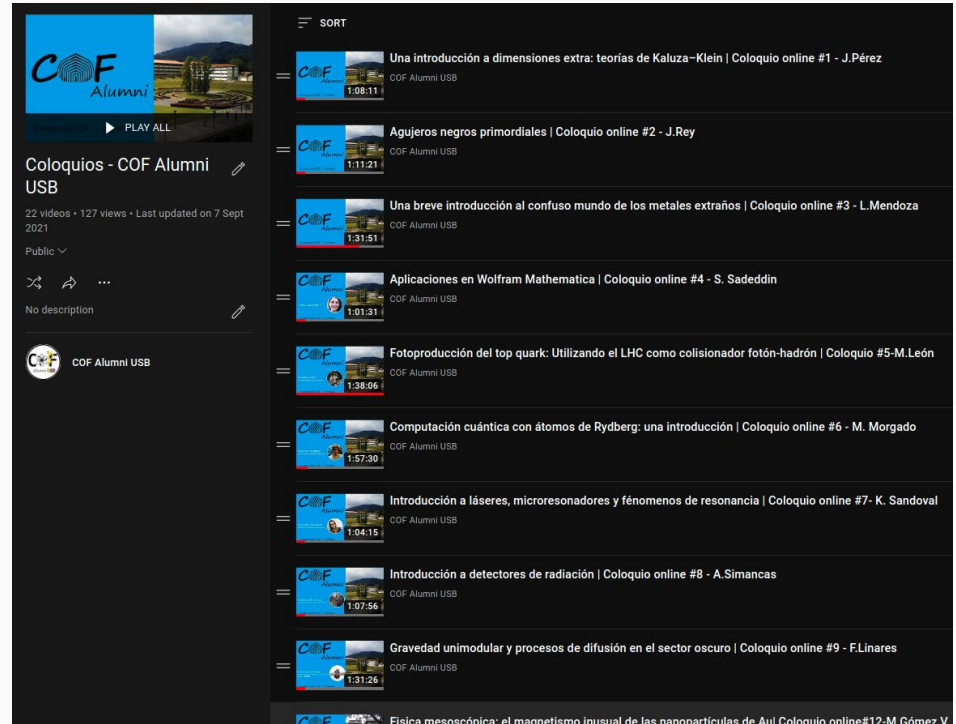
Projects 7, 8 & 9.

Block C

Projects 13 & 14

So far...

1. **Coloquios online**
2. “Día de la física”
3. Mentoring programme
4. International Physicists' Tournament
5. Physics REBoot Venezuela
6. Website, redes y Newsletter



Youtube channel of COF Alumni:

<https://www.youtube.com/channel/UCrCAGn0RRpmBfyHRAeUkdow/featured>

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COFALUMNIUSB ORGANIZA

DÍA DE LA FÍSICA

INFORMACIÓN SOBRE LA CARRERA ANTES Y DESPUÉS DE TU GRADUACIÓN...

ÁREAS DE INVESTIGACIÓN

- ÓPTICA
- FÍSICA DE PARTÍCULAS Y NUCLEAR
- INFORMACIÓN CUÁNTICA
- BIOFÍSICA
- COSMOLOGÍA
- FÍSICA DEL ESTADO SÓLIDO

OPCIONES EN LA ACADEMIA

- MAESTRÍAS
- DOCTORADOS

OPCIONES EN LA INDUSTRIA

- DATA SCIENCE
- FINANZAS
- COMUNICACIÓN CIENTÍFICA
- INGENIERÍA

PRESENTACIONES Y DISCUSIONES
POR PARTE DE PROFESORES Y EGRESADOS CON EXPERIENCIA

¡TE ESPERAMOS!
REGÍSTRATE EN...


bit.ly/3t8dpzD

20 DE MARZO DE 2021
VIA ZOOM **EVENTO GRATUITO**

@COFALUMNIUSB

COFALUMNIUSB

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¿Eres estudiante o egresado de física de Venezuela?

Únete a nuestro...

Organizado por:

COFA
Alumni

@COFAlumniUSB

PROGRAMA DE MENTORÍA

El programa conecta a estudiantes de física de Venezuela con egresados que trabajan en distintas áreas en la academia y en la industria, con los que puedan compartir intereses.

Para más información o para registrarte en el programa como estudiante o mentor:

<https://bit.ly/3gFf5Gg>



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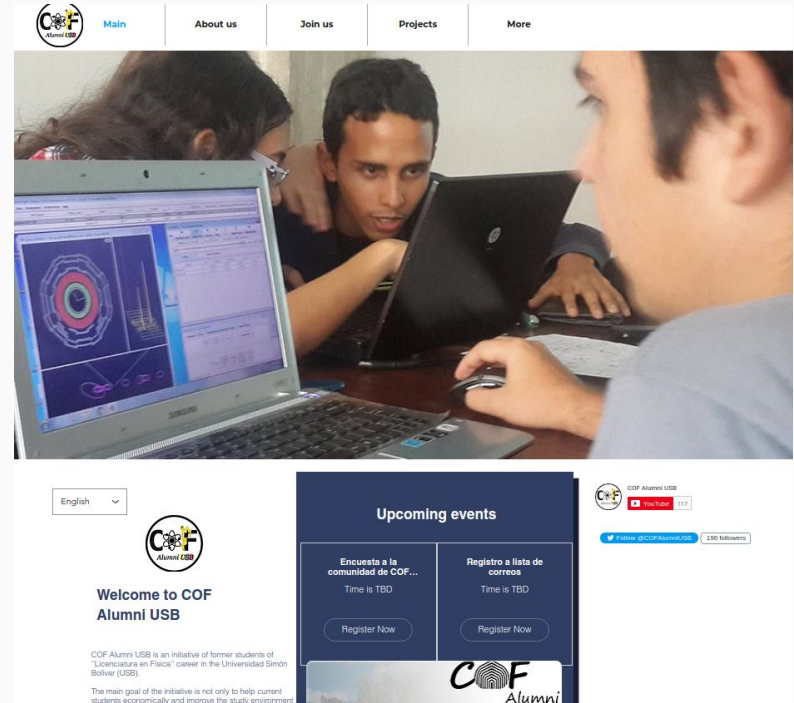
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Who are we?

What we have done so far?

Our members

COF Alumni USB is an initiative that takes the best of each member's contribution, integrates them and converts them into projects and initiatives that benefit not only the youngest physicists of our community but also the most veteran, promoting and taking advantage of all the potential that arise in our country and especially at the Simón Bolívar University.

Individuals, industry and academic institutions are the fuel of this project that extends around the globe.



COF Alumni USB is an organization created by graduate students of physics from the Universidad Simón Bolívar in Venezuela, that has been doing voluntary work in the last 3 years.

Our group look after connecting with undergraduate venezuelan students and provide development opportunities in the professional and personal fields along their physics degree, through mentorship, networking and promoting the physics community in Venezuela.



Our members

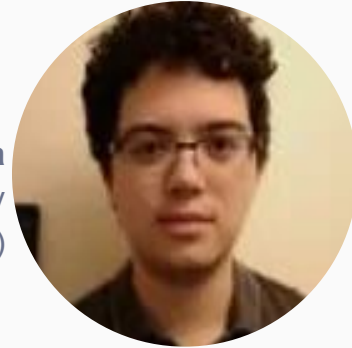
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Manuel Morgado

PhD Student - University of Strasbourg
Centre Européen de Sciences Quantiques (CESQ)



Mauricio Gómez Viloría

Postdoc - Université Paris-Saclay
(IOGS)



Anabel Romero

PhD Student
University of Illinois at Urbana-Champaign



Rodrigo Gómez

Scientific Assistant at Fraunhofer IOF

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Julián Rey

PhD student - Institute of Theoretical Physics (IFF)
Madrid



Maria Teresa Barrera

PhD student - Universität RWTH Aachen

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Karleyda Sandoval

PhD student - Oklahoma State University



Kevin Ng

PhD student - Northeastern University & CTBP, Rice University

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Antonio Figueroa

PhD - Universität RWTH Aachen

Adriana Simancas

PhD student - University of Bonn (DESY)



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Moisés León

PhD student - University of Sonora



Jinny Pérez

M.Sc - University of Bologna

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Elkin Montoya
Undergrad student
University Simón Bolívar



Georgette Kufatty
Lic. in Physics
University Simón Bolívar



Goosline Pereira
Undergrad student
University Simón Bolívar

COF Alumni USB is also interested in connecting with students from other universities along the country, in order to come along us and start organizing similar initiatives. They could focus on other universities that together can form a collaboration network to strength the field of physics in Venezuela.

These students would be **alumni representatives of their students in their own institution such that, future activities can be strategically organized and developed along the country.**



“ Ha sonado la hora de Venezuela, la hora de los venezolanos válidos. Por encima del dolor y la vergüenza por lo que ha sucedido, hoy más que nunca tenemos la oportunidad y hasta el desafío de rehacer un país capaz de alcanzar las metas que le ofrecen sus grandes posibilidades. No será fácil, como nunca ha sido fácil ninguna empresa grande. ”

- Arturo Uslar Pietri (1906-2001)

Stay tune to our
next actions and
fill out 1st Survey
online!



SCAN ME

Thank you!

Contact us:

COF Alumni USB

cof.alumni.usb@gmail.com

<https://cofalusniusb.wixsite.com>

