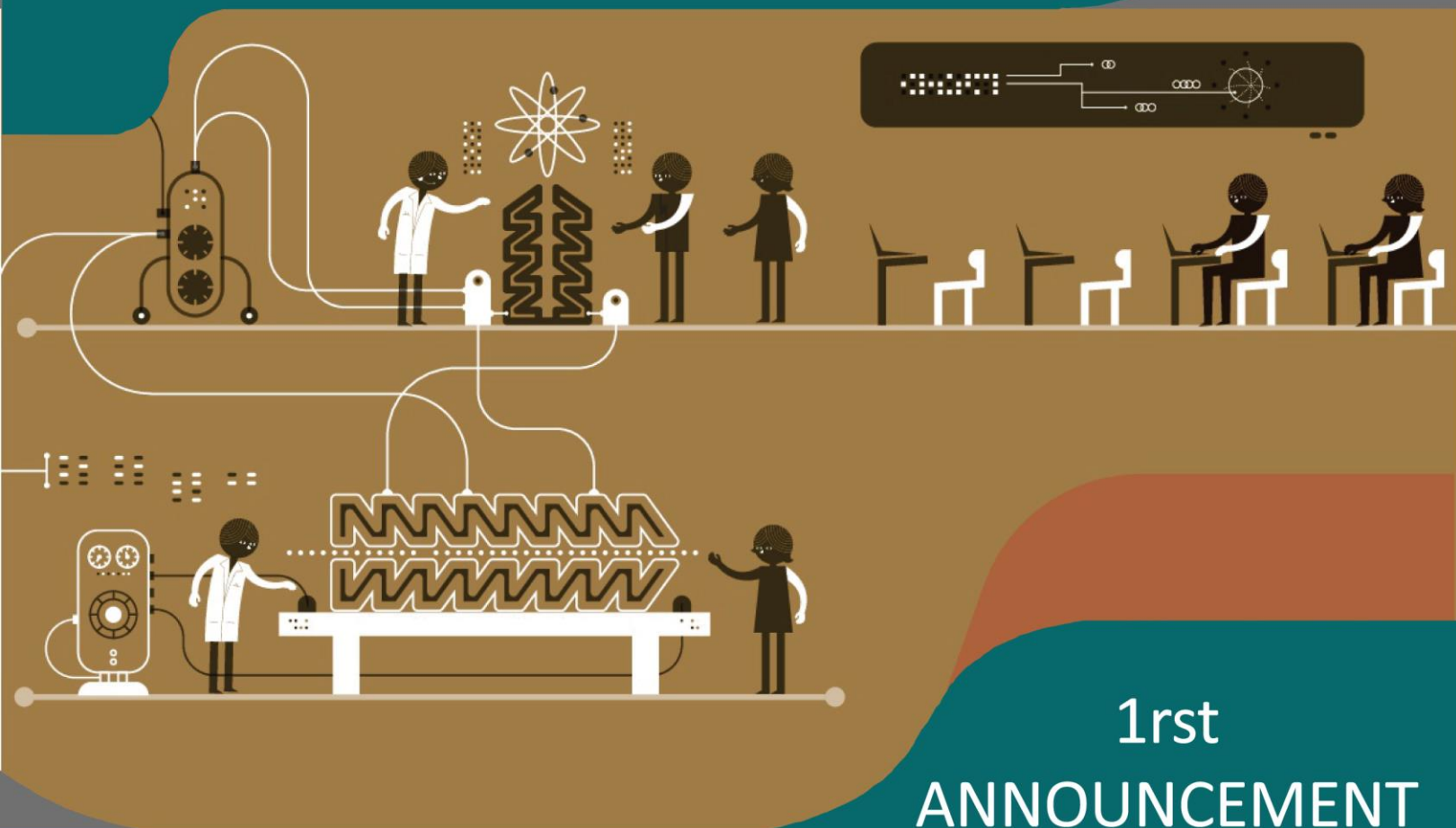




SCHOOL OF
PHYSICAL SCIENCES
AND NANOTECHNOLOGY



1st
ANNOUNCEMENT

Nanoscience Summer School @ YachayTech 2024



Sunday 19th to Saturday 25th of May
Centro Comunitario "Miguel Cifuentes"
Galápagos-Ecuador
www.nssyconference.org



Welcome to the V Nanoscience Summer School @ YachayTech 2024 (NNSY 2024)



On behalf of The School of Physical Sciences and Nanotechnology at Yachay Tech University in cooperation with the Galapagos Hub, we invite you to join us at the fifth edition of the Nanoscience Summer School @ Yachay Tech 2024 (NNSY 2024).

This Summer School will be held from the 19th to 25th of May, 2024, at Puerto Ayora in the Galapagos Islands (Ecuador). NNSY 2024 features plenary sessions by global scientists, talks by leading researchers, and a two-day poster session. This international event welcomes 120 participants, fostering discussions on cutting-edge nanotechnology from theory to practice. Explore nanotech topics, applications, and discoveries in the stunning Galapagos. Don't miss this enriching experience.

See you in the Galapagos Islands!

Format

The NNSY2024 is a dynamic week-long conference where international scientists, leading researchers, and passionate students in nanotechnology converge. The event features captivating morning keynote sessions, invited talks by top researchers, and contributed talks selected from outstanding abstract submissions, fostering open discussions during informal poster sessions. With a main focus on a two-day poster session, NNSY2024 offers an ideal platform for knowledge exchange. Dedicated to nurturing emerging talent, this international gathering creates an informal atmosphere to share idea and results across various nanotechnology domains, both theoretical and experimental.

Topics

Nano to Bio and Bio to Nano

Nanomaterials for Sensing

Theory and Modelling

Magnetism and Superconductivity at the Nanoscale

Advanced Materials Processing and Characterization

Web Page

<https://www.nnsyconference.org/>



Key Dates

First Announcement	Dec, 2023
Second Announcement	15 Dec, 2023
Registration opens and Abstract Submission	Dec 15, 2023 to Jan 31, 2024
Acceptance confirmation	From March 5, 2024
Early Bird Payment	From March 5, 2024
Standard Payment	Until May 1, 2024
Conference	May 19 to 25, 2024

Scientific Advisory Board

Eric Anglaret
Polytech Montpellier - France

Paola Ayala (*co-chair*)
University of Vienna - Austria

Carla Bittencourt
University of Mons - Belgium

Sofie Cambré
University of Antwerp - Belgium

Silvia Giordani
University College Dublin - Ireland

Gema González
Yachay Tech - Ecuador

Shigeo Maruyama
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Vincent Meunier (*co-chair*)
Penn State University - USA

Duncan Mowbray
Yachay Tech - Ecuador

Stephanie Reich
Freie Universität Berlin - Germany

Humberto Terrones
Rensselaer Polytechnic Institute - USA

Local Organizing Committee

Organizers

Gema González (<i>Chair</i>)	Melany Aguilar
Charlotte Berrezueta (<i>co-chair</i>)	Alexis Garzón
Norman Wray (<i>Galapagos Hub</i>)	Leon Ocaña

Local Team and Student Staff

Evelyn Cifuentes	María Belén Silva
María Fernanda Bósquez	Bryan Pinargote
Daniela Arellano	Andrés Vera

Conference Publication

All NSSY2024 presentations are set for publication in Carbon Trends as a special issue, with waived publication fees. This peer-reviewed, open-access journal is a companion to the well-established Carbon journal.

Carbon Trends provides an open platform for advancing carbon materials science, encompassing developments in various carbon forms, from bulk to low-dimensional structures. The journal primarily focuses on material systems where carbon holds a central role, including composites and closely related materials like nitrides, carbides, and graphene-like structures (0D, 1D, and 2D).

Accepted manuscripts undergo rigorous peer review and adhere to the journal's publication standards. However, acceptance for presentation at the summer school doesn't guarantee inclusion in the special issue.

Manuscripts should be directly submitted via the journal's website, ensuring selection of "NSSY2024" as the special issue to facilitate full waiver of publication fees in this open-access journal.

About NSSY



In October 2017, the University Yachay Tech in Ecuador organized its first NSSY on its campus in the north highlands of the country. At that time, the university had been inaugurated as part of one of the most ambitious science and technology parks in the north Andean region of South America. The purpose of the new university was to inspire the development of science and knowledge in Ecuador to lay the foundations for applied and fundamental research. At the national level, they sought strong collaborations with established institutions to generate and lead interdisciplinary projects. At the international level, a path to gaining visibility was to expose students to international events and competitions as well as organizing events to present the project to the world.

The event has now developed into a strong venue with international visibility. Starting from a small-sized event that took place at the campus of the hosting university, NSSY has now developed, after four editions, into an attractive venue for international researchers to present their work and look for opportunities to collaborate.

In addition, NSSY now hosts additional activities that seek to impact the local community including motivational activities for junior science schools targeting children from a region where otherwise little scientific culture would be accessible. [More info.](#)

Organizing Institutions

Yachay Tech

The Experimental Technology Research University Yachay (Yachay Tech) opened its doors in 2014. It is a world-class, globally and regionally connected transformative center for research and education.

Yachay Tech is a highly interdisciplinary institution that has been conceived with the philosophy of stimulating fundamental research, encouraging scientific learning and it rewards academic and research excellence.

The School of Physical Sciences and Nanotechnology is one of the six schools from

Yachay Tech. It focuses on disciplines that cover not only fundamental physics but a range of topics such as materials science and nano-biotechnology, directed to the development of new fields of theoretical and experimental research that bring new technologies that are urgently needed in Ecuador to boost its industrial development.

To learn more about the project and the university programs, please explore the career sections of www.yachaytech.edu.ec

Galapagos Hub

The Galapagos Hub is a platform for knowledge exchange between different organizations, institutions and communities of Galapagos as well as a wide range of national and international partners. It will foster innovation, entrepreneurship, knowledge and technology transfer and effective public policy advice. To learn more about Galapagos Hub for Sustainability, Innovation and Resilience, please visit: <https://galapagoshub.org>

Venue

The fifth edition of the Nanoscience Summer School at Yachay Tech international edition will be held at the Environmental Community Center "Miguel Cifuentes", Puerto Ayora - Galapagos in Ecuador.



Centro Comunitario de Educación Ambiental "Miguel Cifuentes".

Puerto Ayora



The second largest island in the Galapagos Islands is Santa Cruz, Puerto Ayora hosts the biggest population with over 15,000 inhabitants in its 986 square kilometers of the surface. In this large dormant volcano, it is too casual to find multicolor crabs, iguanas, sea lions, and Galapagos turtles; just human and nature coexisting in harmony. Home to both the Charles Darwin Foundation and the Galápagos National Park, Puerto Ayora is the center of the Galápagos conservation efforts. Puerto Ayora has the best-developed infrastructure and communication facilities in the archipelago. The population is smiling and warmful, they are dedicated mainly to turism, artisanal fishing, agriculture and livestock.

Galapagos Islands

The Enchanted Islands, one of the most renowned destinations in the world offer a one-of-a-kind nature experience. Picture yourself walking amongst giant turtles, sea lions and exotic birds or swimming alongside whale sharks and giant manta rays who have no fear of man and are just as curious about you as you are about them. This unique opportunity is only possible in the Galapagos Islands. Located 1.000 kilometers (600 miles) on the Ecuadorian Pacific Coast, the islands are a living museum and showcase of evolution. Declared a Natural World Heritage Site by UNESCO in 1979, the Galapagos have also been recognized as the 1st destination to visit before you die by the readers of USA TODAY.



Puerto Ayora landscape - Galápagos