

EEDA



**EXPLORE ENERGY
DIGITAL ACADEMY**



MAY 2025

[CLICK HERE TO UNSUBSCRIBE](#)

NEWSLETTER

IN THIS EDITION

EEDA MEETING IN JUNE 09-13

INAUGURAL MECE PROGRAMME

LEARNIFY HINTS

ACADEMIC RECOGNITION AND AWARD

LEARNIFY IN DIFFERENT LANGUAGES

EEDA IN CUJAE, CUBA

PROGRAMS POWERED BY EEDA

LEARNIFY HINT



City of Västerås - Sweden

FROM THE EDITOR

As we move into the second half of 2025, the EEDA community prepares for a meaningful gathering in Sweden — a place where history, innovation, and cooperation come together.

From June 9 to 13, representatives from across our diverse programs will meet in Stockholm and Västerås to share progress, exchange ideas, and build new connections.

At the heart of the EEDA initiative is a shared belief: that education must evolve to meet the challenges of our time. Our work aims to support and modernize the teaching profession, providing educators with the tools, methodologies, and global perspectives they need. But ultimately, every effort we make has one final destination — the students. They are the reason we innovate, the purpose behind each new program, and the future leaders who will shape a more connected, equitable, and sustainable world.

In this edition, we celebrate the many ways EEDA continues to grow — from launching new program intakes in Sri Lanka to expanding Learnify access in Portuguese and Spanish, and from academic excellence in Bolivia to stories from Cuba that remind us why we do what we do.

As always, thank you for being part of this evolving and inspiring network. Let's continue building a future where education crosses borders — and brings us closer together.

EEDA MEETING: JUNE 09 - 13, 2025

The first ever EEDA meeting will take place in Stockholm, in Västerås and on the ferry between Stockholm and Åbo.

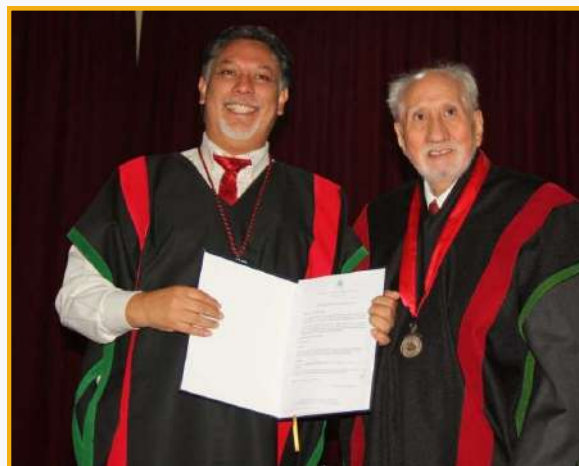
The program covers a large number of EEDA related topics, ranging from (1) how to create modules, remote labs, case studies and challenges, (2) using the QIP effectively, (3) gender aspects, (4) visibility and dissemination, (5) translations, (6) how to create courses and micro-credentials in the "EEDA Planner" and "EEDA OpenedX", (7) show cases and best practices, (8) "Flipped Classroom", (8) industry perspectives, (10) sustainability, and much more.

Around 50 persons from around 25 universities in about 15 countries are presently registered for "on-campus" discussions, to be performed with the "Flipped Classroom" perspective.

If you might be interested in an on-line participation in some special sessions please let us know (Fransson.kth@outlook.com).

MAJOR ACADEMIC ACHIEVEMENT IN BOLIVIA: DR. OMAR ORMACHEA FROM UPB

The EEDA network is proud to celebrate a major academic achievement from one of our Erasmus+ community members. Dr. Omar Ormachea, Dean of the Faculty of Engineering and Architecture at Universidad Privada Boliviana (UPB), has been appointed Académico de Número of the National Academy of Sciences of Bolivia—an honor reserved for the country's most distinguished researchers.



Dr. Omar Ormachea receives the recognition from Dr. Manuel Arellano, President of the National Academy of Sciences of Bolivia.

Dr. Omar Ormachea, Dean of the Faculty of Engineering and Architecture at Universidad Privada Boliviana (UPB), has been appointed

Académico de Número of the National Academy of Sciences of Bolivia—an honor reserved for the country's most distinguished researchers.

Beyond his leadership at UPB, Dr. Ormachea is also Director of the Optical and Energy Research Center, where his work bridges academic excellence with real-world application. His entry research, "Low-Cost 3D-Printed Inverted Laser Fluorescence Microscope for Tuberculosis Diagnosis," showcases exactly that—a groundbreaking tool designed to make diagnostic technology more accessible in the fight against tuberculosis.

With more than 70 scientific publications, two patents, and numerous national and international accolades, Dr. Ormachea exemplifies the spirit of Erasmus+, pioneering innovation, fostering knowledge exchange, and uplifting local impact through global collaboration.

His recognition is not just a personal milestone, but a celebration for the entire Erasmus+ community in Latin America and beyond. It reminds us that the work we do—across projects, institutions, and borders—contributes to shaping a future where science and education are drivers of equity and progress.

We extend our warmest congratulations to Dr. Ormachea for this well-deserved distinction.

QUOTE OF THE MONTH

"Education is the most powerful weapon which you can use to change the world."

– Nelson Mandela

SRI LANKA'S MOST INNOVATIVE ENERGY MASTER'S PROGRAMME CELEBRATES 3RD. INTAKE AT BMICH



The inauguration ceremony of the MSc in Energy for Circular Economy (MECE) – 2025 Intake was held on 27th May 2025 at BMICH, Colombo, marking a key moment in Sri Lanka's journey toward sustainable energy development. The event brought together a distinguished audience, including Vice Chancellors, Deans, senior academics, leading industry

professionals, international collaborators, and the newly enrolled MECE students, creating an inspiring atmosphere of knowledge sharing, collaboration, and innovation.

Jointly offered by four of the country's leading state universities—The Open University of Sri Lanka (OUSL), University of Moratuwa (UoM), University of Peradeniya (UoP), and University of Ruhuna (UoR)—MECE is the only fully online postgraduate programme in Sri Lanka focusing on circular economy and sustainable energy systems.



Now entering its third intake, the programme has shown steady growth since its inception. Enrolment numbers have increased from 123 students in 2023, to 155 in 2024, and now to 197 students in 2025, including participants from both Sri Lanka and abroad—highlighting its growing local and international appeal.

The event opened with traditional ceremonies, followed by a welcome address from Snr. Prof. P.M.C. Thilakarathne, Vice-Chancellor of OUSL and Programme Director. Prof. K.T.M. Udayanga Hemapala, Secretary to the Ministry of Power and Energy, served as Chief Guest, and emphasized the programme's alignment with Sri Lanka's energy sector goals.

The audience also heard reflections from Ms. Dinusha Gunawardana, a 2024 intake student, who shared her personal learning journey. The event concluded with cultural performances, a vote of thanks by Eng. Nelaka Priyankara, and a fellowship dinner.

Watch the ceremony on YouTube at:

<https://www.youtube.com/live/1HN3zJKLxpQ?si=pOBmdfJ3uyuBOVWm>

TEACHING EXCELLENCE AWARD PRESENTED TO EEDA MEMBER IN GUATEMALA



Prof. Ricardo Bianchi and
Dr. Ramiro Bolaños -
Chancellor of USPG

Universidad San Pablo de Guatemala has awarded the prestigious Teaching Merit Recognition to Ricardo Bianchi, honoring his exceptional academic work and unwavering dedication to higher education.

This distinction highlights Professor Bianchi's deep commitment to teaching, reflected in his sustained support for student development, innovative pedagogical practices, and his role as a model of perseverance and professionalism. His efforts have not only enriched the learning environment at the university but have also contributed meaningfully to the broader goal of social transformation through education.

A valued member of the EEDA community, Professor Bianchi is a driving force behind initiatives aimed at modernizing academic approaches in the energy sector and beyond. This recognition reinforces the vital role of passionate educators in inspiring excellence and leading change through their work.

EEDA proudly congratulates Ricardo Bianchi on this well-deserved honor.

LEARNIFY HINTS

Include The Title Of The Module On Each Page

One practical hint or hidden feature that helps users navigate or optimize their learning experience on Learnify.

It's easy to set up a view like the one shown below on any page.

MODULE: SA020-T41L01CM07: CASCADE FLUTTER

SA020-T41L01CM07: Cascade Flutter

To display the menu, open 'Module settings' and choose 'Always' under the 'Show Title/Menu' option.

Show Title/Menu

Always

USE OF EEDA LEARNING MATERIAL AT CUJAE, CUBA

At CUJA, Cuba, we have included a number of the EEDA modules into our courses. At the present time 31 modules are used in 9 courses in our master program. In the courses the teacher indicates the modules to the students. The students receive the links ahead of the planned discussions with the teachers. During class time, teachers leverage these materials to facilitate active discussions, clarify key concepts, and reinforce learning through practical engineering examples and case studies. They promote collaborative work via group workshops and debates, assess comprehension through short exercises or peer feedback, and connect module content to real-world research or professional applications in Cuba. This approach ensures that self-paced study is effectively complemented by guided interaction, strengthening students' mastery of the subject matter.

The modules are used in courses as: "Renewable sources integration into power system", "Primary motors for electrical generation", "Energy management", "Renewable energy sources" and "Energy economics". In total we estimate that 80 students have access to these learning resources.

Implementation of new perspectives and forms of university education in the master program allow the materialization of the concept of the inverted classroom and with it, that the new technologies are consolidated and interfere more effectively in the classrooms. This increases competencies of teaching staff in digital learning as well as the motivation of students for self-study.

The instrumentation of digital learning platforms in the training field of the energy area, the gradual rise of the possibilities of exchanging experiences and teaching materials and the incorporation of international experiences to the study plans enhances our experiences in the energy field and internationally.

As Vice-Rector of CUJAE I am very excited about the usefulness of EEDA in transforming our educational environment into a significantly more student-centred than what we have had earlier. The exposure of internationally created learning material is also a significant positive experience for our students, as well as the teachers.

Statement from Daniel Alfonso Robaina; Vice-Rector CUJAE



Daniel Alfonso Robaina
Vice-Rector CUJAE



Panoramic view of one of the
buildings at CUJAE



CUJAE students and teacher engaged
in a master's-level discussion.

THE LEARNIFY PLATFORM TAKES OFF ON AN EDUCATIONAL JOURNEY TO ALL LANGUAGE DESTINATIONS

by P. Axaopoulos
University of West Attica, Athens, Greece

The journey of multilingualism launched by Learnify is opening new horizons in education, welcoming more learners from diverse backgrounds.

By removing language barriers, students around the world now have access to high-quality content on energy topics, making learning more relevant, inclusive, and motivating.



To support this effort, all educational modules on photovoltaic systems—based on the remote PV laboratory of the University of West Attica (UNIWA), Greece—have been fully translated into Spanish and Portuguese. These translations follow clear, platform-based instructions ([Module SA501-T03L05CM01](#)), ensuring consistency and ease of replication in future multilingual adaptations. It's recommended that translations be reviewed by native speakers familiar with the technical terminology, to maintain quality and clarity.

The translated modules include five hands-on experimental exercises and an essential introductory module featuring a video in both Spanish and Portuguese, guiding learners on how to operate the remote laboratory. This setup provides live access to real-world photovoltaic equipment under actual weather conditions—anytime, anywhere.

UNIWA's innovative remote lab features four PV panels that can be configured in various series or parallel arrangements. Combined with a live camera feed, this gives students a real-time, immersive learning experience. These modules are ideal for combining theory with practice in energy education.

To deepen understanding, students are also encouraged to explore 16 complementary chapters on photovoltaic systems, available in five languages through the [Open Educational Resources platform](#). These chapters offer broader context and reinforce learning outcomes achieved through the experimental activities.

By making advanced renewable energy education accessible in multiple languages, Learnify continues to build a more inclusive, skilled, and globally connected learning community—helping learners gain technical expertise while promoting equity and innovation in the global classroom.

POWERED BY EEDA INNOVATION

MSc MECE: Master in Science in Energy for Circular Economy

Open University of Sri Lanka (OUSL), University of Moratuwa, University of Ruhuna and University of Peradeniya.

This 2-year master program in English helps students develop practical skills and knowledge required to critically evaluate alternative energy sources, and provide feasible solutions.

Please visit: <https://eusl.edu.lk>

Diplomado in Renewable Energy Systems Technology and Management

Double certification Diplomado with Universidad Mayor de San Simón and Universidad Privada Boliviana.

The 5 months diplomado emphasizes on Energy Efficiency, Photovoltaic Systems, Wind, Biomass and Energy Storage

For more information visit: <https://umsa.bo>

Master of Science in Energy Systems Modeling (MCMSE).

A fully online program designed by Universidad Mayor de San Simón (UMSS) in Bolivia, **aims to equip young professionals with high-level technical knowledge and practical skills in energy systems modeling.** Through mathematical modeling and simulation, students will learn to analyze and predict the behavior of complex energy systems composed of multiple technologies, addressing diverse energy demands. Visit: <https://posgrado.fcyt.umss.edu.bo>

STUDENT VOICE: A Glimpse of Inspiration from Guatemala

"How exciting to learn about the story behind the WindLab. I'm truly thrilled to know there's a space where phenomena like fluid behavior and aerodynamics can be explored in a hands-on way.

I'm more than willing to support tasks like user management and also contribute ideas that encourage other students to experiment, discover, and validate in practice many of the concepts we often only see on paper.

I believe that this kind of laboratory is key to awakening scientific curiosity and promoting a more investigative and interdisciplinary mindset."

— **Daniel Ramírez**, student of Computer Science Engineering, USPG Guatemala

Connect. Learn. Share. Follow EEDA on LinkedIn!

EEDA is building a global community of forward-thinkers, educators, and students.

 On our [LinkedIn page](#), you'll find:

-  New course and module releases
-  Stories of academic success and collaboration
-  Opportunities to engage and co-create
-  Peer-reviewed insights and educational tools



Join the movement. Follow **@eeda-academy** to shape the future of energy education.