



NEWSLETTER

JULY 2024

Dear Partner,

Greetings from São Bernardo do Campo!
We bring you some updates from our university, including our First International Week, a scientific mission in France, and the new partnership announcement. Also, we have application deadlines for the Exchange Program in the Fall semester (from February to June).

Enjoy the reading!



DEADLINE FOR FALL SEMESTER 2025

It's time to start planning for the first semester in South America!

FEI University is now open to receive students for face-to-face exchange. All undergraduate and graduate students enrolled in institutions that have an exchange agreement with FEI are invited to apply for the Exchange Program. Typically, international students choose to carry on their mobility for 6 months or 1 year, using this time to deepen their studies and experience Brazilian culture.

Our deadline to receive applications for the Fall semester (from February to June) is October 15th. Student can find information about the application procedure [here](#).



FEI PROFESSOR ATTENDED THE XVII BRAFITEC FORUM

The coordinator of the undergraduate course in Production Engineering, Prof. Dr. Marcel Heimar Ribeiro Utiyama, attended the XVII Brafitec Forum that took place between June 10 and 12, 2024, in Salvador, Bahia. The event brought together researchers from Brazilian and French Higher Education Institutions (HEIs), as well as government bodies from Brazil and France, such as CAPES and CDEFI (Conférence des Directeurs des Écoles Françaises d'Ingénieurs – Conference of Directors of French Engineering Schools).

“I had the opportunity to participate in the XVII Brafitec Forum to discuss possible collaborations between Brazil and France in teaching and research. The event had 135 participants from both countries, and I am excited to enhance collaboration between the FEI and French universities and provide more opportunities for our students”, highlighted professor Dr. Marcel.

Capes/Brafitec is a program that promote research projects in university partnerships across all



Prof. Dr. Marcel Heimar Ribeiro Utiyama at the XVII Brafitec Forum.

Engineering specialties, exclusively at undergraduate level, to encourage exchanges between Brazil and France. Currently, FEI has a partnership project, approved by the program in 2023, which allows undergraduate students in Electrical Engineering, Mechanical Engineering and Production Engineering courses to study in the Double Degree Program at L'Institut Catholique d'Arts et Métiers - ICAM.



JESUÍTAS BRASIL

FEI PROFESSOR CARRIED OUT A SCIENTIFIC MISSION IN FRANCE

Professor Dr. Michelly de Souza, Vice-Rector for Extension and Community Affairs and Full Professor of the Department of Electrical Engineering, in both the Undergraduate and Graduate courses at FEI, conducted a scientific mission at the Laboratoire d'électronique des technologies de l'information (Leti) of the French Alternative Energies and Atomic Energy Commission (CEA), located in Grenoble, France, from February the 5th and 23rd, 2024. CEA-Leti is one of the world's largest applied research organizations in Nanoelectronics and Nanotechnology. This scientific mission by professor Dr. Michelly was funded by a project approved by the European Union for the development of the research project entitled Electrical Characterization of Advanced SOI MOSFETs. "To our knowledge, this was the first project in Latin America approved in this program, which demonstrates the quality and international recognition of the research developed at FEI in the area of Nanoelectronics and Integrated Circuits", highlighted professor Dr. Michelly.

During the scientific mission, electrical measurements were performed on state-of-the-art electronic components, which are potential candidates to replace current components in future generations of integrated circuits found in computers, smartphones, and other high-performance electronic equipment. A study of these advanced components was also carried out at cryogenic temperatures, reaching 4K (approximately -270°C). The operation of electronic components at such low temperatures, reaching the cryogenic regime, offers improved performance when compared to operation at room temperature, and is of great importance for circuits used in quantum computing.

"By undertaking this scientific mission, I gained access to one of the world's main infrastructures in nanotechnology research and development. In addition to the research carried out during the scientific mission, I brought samples of state-of-the-art nanoelectronic devices to Brazil. Access to these electronic devices, only manufactured in a very few research centers worldwide, will enable us to continue developing high-level research at FEI. This research is globally competitive and has a significant impact in the field of Nanoelectronics. It is a privilege to contribute to technological advancements in this important area."



Professor Dr. Michelly de Souza with samples of state-of-the-art nanoelectronic devices brought to Brazil to continue research collaboration with CEA-Leti.

The collaboration between FEI professors with CEA-Leti researchers has yielded relevant results over the last few years, with the publication of scientific papers and the training of qualified human resources. "It was very rewarding to interact with former students, who graduated from FEI Postgraduate Program, now working as researchers at CEA-Leti, which further reinforces the quality and recognition of FEI in this field", highlights the professor.



Professor Dr. Michelly de Souza during the scientific mission at the CEA-Leti – France.



Professor Dr. Michelly de Souza with FEI graduates, Dr. Bruna Paz (on the left) and Dr. Flavio Bergamaschi (on the right), and the FEI doctoral student, MSc. Lucas Mota.

FEI PROMOTES THE FIRST INTERNATIONAL WEEK

FEI University hosted its First International Week, from April 23rd to 26th, bringing together students from all courses and semesters for a discussion about opportunities abroad. The event took place at São Bernardo do Campo Campus and streamed on the institution's YouTube channel.

Currently, FEI maintains collaboration agreements with foreign institutions, including international academic mobility programs lasting one semester and double degrees. These opportunities provide intercultural experiences in other countries, aiming at the professional qualification of students, through cultural and scientific exchange.



Various institutions and organizations promoting international education participated in the event. The DAAD, German Academic Exchange Service, provided information on scholarships in Germany. EducationUSA, a global network of Guidance Centers of the American Department of State, presented Postgraduate opportunities in the United States. ABIPE, the Brazilian Professional and Student Exchange Association, explained the IAESTE Program, internships for students in more than 70 countries worldwide. Organized by the International Relations Coordination, FEI's First International Week included in the program a lecture about intercultural competences and a meeting with alumni currently working abroad, highlighting the development of international careers. You can find more details about the activities at Semana Internacional, available on the **FEI website**.

NEW PARTNERSHIP!

FEI University is pleased to announce a new partnership with **ISEN Yncréa Ouest** (www.isen.fr), an engineering school with 9 campuses in France. The purpose of this collaboration is to foster cooperation between faculties and students through research institutes and departments, as well as through graduate and undergraduate exchange programs and research initiatives.



Dr. Reinaldo Augusto da Costa Bianchi (FEI), Dr. Leila Bergamasco (FEI), Dr. Henrique F. Gasparoto (ISEN) and Dr. Carlos Eduardo Thomaz (FEI).

On April 29th, FEI welcomed professor Dr. Henrique F. Gasparoto, head of the Robotics-Drone Specialization at ISEN Brest. During his visit to São Bernardo do Campo campus, Dr. Gasparoto met with FEI faculty members to discuss mutual research interests. Participated in the meeting professor Dr. Carlos Eduardo Thomaz, coordinator of Electrical Engineering Graduate Program (master's and doctorate), professor Dr. Leila Bergamasco, coordinator of Computer Science Undergraduate Program and Data Science and Artificial Intelligence Undergraduate Program, professor Dr. Danilo Perico, coordinator of Robotic Engineering Undergraduate Program and professor Dr. Reinaldo Augusto da Costa Bianchi, coordinator of RoboFEI Project – Humanoid.



Dr. Henrique F. Gasparoto (ISEN) and FEI students from the RoboFEI Project.

SIMON BOLIVAR ANDEAN UNIVERSITY REPRESENTATIVES VISITED FEI

FEI University hosted representatives from the Simon Bolivar Andean University, located in Ecuador, on June 25th at the São Paulo campus, with the aim of developing partnership in the Graduate Program in Administration.

Among the visitors was Dr. Mariana Lima, professor at the Simon Bolivar Andean University along with four doctoral students in the area of administration, from the same institution. The representatives of Graduate Program in Administration at FEI were: Prof. Dr. Pedro Jaime de Coelho Junior, Prof. Dr. Jacques Demajorovic, Prof. Dr. Melby Karina Zuniga Huertas, Prof. Dr. Cláudia Aparecida de Mattos, Prof. Dr. Gabriela Scur Almudi and Prof. Dr. Maria Laura Ferranty Mac Lennan.



The visitors from Simon Bolivar Andean University and representatives of Graduate Program in Administration at FEI.

During the meeting, the Graduate Program in Administration at FEI was presented, including its research areas and faculty members. Prof. Dr. Mariana Lima shared information about the Simon Bolivar Andean University and their graduate programs. Doctoral students had the opportunity to engage with professors and highlighting their area of interest for research.



FEI WELCOMES VISITORS FROM LOYOLA UNIVERSITY CHICAGO

FEI University welcomed Father D. Scott Hendrickson, S.J., Associate Provost for Global and Community Engagement at the Loyola University of Chicago and Mr. Fraser S. Turner, Senior Director of Global Initiatives on June 28th. Loyola University Chicago is a Jesuit educational institution with two campuses in Chicago, United States, offering a variety of undergraduate and graduate programs across 13 schools and colleges.



Daiani da Silveira, International Relations Coordinator (FEI); Dr. Vagner Bernal Barbeta, Rector (FEI); Fr. D. Scott Hendrickson, S.J., Associate Provost for Global and Community Engagement (LUC); Mr. Fraser S. Turner, Senior Director of Global Initiatives (LUC); Dr. Michelly de Souza, Vice-Rector for University Extension and Community Affairs (FEI); Fr. Theodoro Paulo Severino Peters, S.J., President of Fundação Educacional Inaciana Padre Sabóia de Medeiros – FEI

The agenda began with the reception of Father Theodoro Paulo Severino Peters, S.J., President of Fundação Educacional Inaciana Padre Sabóia de Medeiros – FEI, professor Dr. Vagner Bernal Barbeta, Rector of the FEI University and professor Dr. Michelly de Souza, Vice-Rector for University Extension and Community Affairs at FEI University. A meeting was held to present the Graduate Programs at FEI, with the participation of coordinators and faculty from doctoral and master's courses, who highlighted the main research areas.

The visitors also had the opportunity to meet FEI professors from the Administration, Computer Science, Data Science and Artificial Intelligence, and Physics departments. Father D. Scott Hendrickson, S.J. and Mr. Fraser S. Turner also participated in a tour of the campus São Bernardo do Campo, visiting the laboratories, the chapel, institutional projects and the multi-sports complex with gym, football field, athletics track and swimming pool.





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