

INTERNATIONAL REVIEW

International news from Mines Saint-Étienne, France



20
24

EDITORIAL

Dear friends and partners, I am delighted to share with you our 2024 highlights.

Mines Saint-Étienne has further extended its international reach by increasing its collaborations at all levels. New partnerships, double-degree programmes, international meetings and an Erasmus Mundus Joint Master all testify to our international dynamism.

Our researchers have also gained recognition in all four corners of the globe. They have particularly distinguished themselves in the fields of energy transition, artificial intelligence and health. This recognition is the reward for successful international collaboration and ever greater openness to the world to demonstrate the excellence of our research.

Through this new newsletter, we invite you to discover the main news from our international partners, testimonials from our students and the great successes of

our researchers. Together, we support the future of tomorrow's science and technology.

We hope you enjoy reading our newsletter and look forward to continuing this exciting adventure alongside you.



Florence Granger,
Director for International Development
Mines Saint-Étienne

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Stéphane Avril wins a European Research Council grant **for the 3rd time**



He is rewarded for his visionary project focused on controlling the mechanical wear of fabrics. He is one of just 37 French people distinguished by the European Commission. The award of this ERC grant (Advanced category) will enable him to continue to innovate and push the frontiers of human tissue mechanics.

Stéphane Avril is passionate about biomechanics. This discipline, halfway between physics and biology, consists in understanding how tissues resist deformations and forces applied to them, for how long, and to what extent their functions are modified.

« This Mines Saint-Étienne researcher is once again the winner of an Advanced European Research Council (ERC) grant for his cutting-edge work on the mechanics of human tissues.»

Launch of the **ICONIC** project on our Aix-Marseille-Provence Campus

Mines Saint-Étienne organized the launch day of the European ICONIC project, led by our researcher Sébastien Sanaur, on May 15, 2024.

This day was an intensely productive moment for all stakeholders involved. Scientific discussions and synergies emerged between our School and Queen Mary University of London, University of Rijeka, University of Bern, Universität Bayreuth, Rijksuniversiteit Groningen and Linköpings Universitet.

As a reminder, the ICONIC project aims to develop ultra-flexible artificial intelligence electronic devices that promise to revolutionize the real-time monitoring and treatment of chronic diseases.

More info: <https://iconic.mines-stetienne.fr/>



NOTRE ÉQUIPE

It is made up of 11 members fully invested in their roles serving the students of our Saint-Étienne and Aix-Marseille-Provence campuses.



The full international team : The Saint-Étienne team (on the left) and the Aix-Marseille-Provence Campus team (up above).

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Mines Saint-Étienne awarded the maximum of 3 stars for its “**Bienvenue en France**” quality label



This quality label, awarded by Campus France for a period of five years, confirms the excellent quality of services provided to our international students. It rewards establishments that develop and promote services according to a quality assurance framework integrating 6 fields of application and 28 indicators. Our accession to the highest level of 3 stars is a fair recognition of the efforts made by our various departments, our researchers and members of staff to offer the best integration conditions possible to our international students. In total, 154 establishments have obtained the “**Bienvenue en France**” label.

SCHOOL FOUNDED IN 1816



A doctoral school
covering 7 disciplines



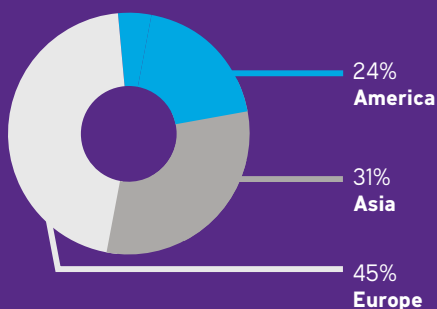
100%

- of our students receive a scholarship to help them finance an international mobility
- of our students carry out an international mobility (internships and/or study periods)
- of our students gain in international and intercultural competences

WHERE ARE OUR INCOMING STUDENTS FROM ?



● Our international incoming mobilities



*Internships and/or studies combined



129 INTERNATIONAL PARTNERS

under agreement

- +1 Double Diploma, **BRAZIL**
- +1 Double Diploma, **TAIWAN**
- +2 Partnerships, **POLAND & LEBANON**

14 MASTERS
WITH 8 IN ENGLISH



Vinicius Rocca
Cursus ISMIN

« My name is Vinicius Rocca. I am a Brazilian degree-seeking student currently in my final year of the ISMIN programme at Mines Saint-Etienne. During my first year, I had many rewarding experiences. The students introduced me to a lot of things about the country while also including me in various activities. This welcome made me want to get involved in community life. Today I am president of the BDI (Association for International Students). Concerning the courses, they were a little difficult but very enriching. My horizons have even broadened thanks to the School Project. I am extremely grateful to be able to study at this institution. »

Jean-Michel Herri, professor of SPIN Research Centre, honoured in Vietnam

During a ceremony organized in April at the Hanoi University of Mining and Geology (HUMG), Jean-Michel Herri received a medal for his contribution to education. This is the highest distinction awarded to foreign professors.

This ceremony marked fifteen years of collaboration between HUMG and Mines Saint-Étienne. Three HUMG professors have completed their PhDs at Mines Saint-Étienne and many Vietnamese students have graduated from our MSc and Double-Degree programmes in Chemical Engineering.

Some of these students have also been awarded Eiffel and European scholarships.

In return, Saint-Étienne professors regularly teach on HUMG courses. Today, an



ERASMUS+ IMT-Vietnam collaboration, supported by IMT Mines Alès, is helping us to further strengthen this partnership. A MSE-HUMG common laboratory created in 2017 with the transfer of equipment from Saint-Étienne to Hanoi to work on the theme of gas hydrates, plays a key role in the education of local Masters students and future PhD students in Vietnam an collaborative research projects.



Mines Saint-Étienne forges **academic ties with Texas**

Mines Saint-Étienne is starting a collaboration with Texas State University in the biomedical engineering sector. It aims to jointly set up short courses and enable exchanges of students and teachers in the coming years.

To launch this new collaboration, Mines Saint-Étienne responded to the "International Ambition" call for projects from the local Auvergne-Rhône-Alpes Region (AURA). We are pleased to have obtained a grant of €40K to implement these actions led by Julia Fleck, lecturer at our Research Centre for Biomedical and Healthcare Engineering (CIS).

The involvement of the AURA Region is part of a broader approach to developing links with this American state on the economic and industrial side as well as in the fields of engineering and more specifically healthcare engineering.

Mines Saint-Étienne intensifies its presence **throughout the world**

We continue to further our strategic development in Southeast Asia. Two of our health engineering researchers visited the universities of Yokohama, Keio, Kumamoto, Kyutech and Tohoku, Japan, in order to initiate research collaborations.

Our management team also went to Malaysia to start a collaboration with Malaya University and then on to Vietnam to develop our long term existing partnerships with HUST, USTH, CFVG, HUCE, HUMG.

A trip to Taiwan, Hong Kong and Thailand enabled us to meet our new partners HKUST, City U, KMITL then NTU and NYCU for our double degree programmes.

Our international strategy places our relations with Canada as a priority. In 2024, we joined the "Entretiens Jacques Cartier" and two workshops were led in Quebec by researchers from the IHF, ETS and Laval University. Over the same period, our management team attended the the T.I.M.E. Association AGM in Montreal and visited ETS, HEC Montreal, PolyMontreal, U Concordia and U Sherbrooke.

We continue to develop our exchanges with South America with student recruitment missions in Colombia and participation in the Brafitec Forum in Brazil.

A joint trip to Senegal with ETS Montreal, to Polytechnique Dakar, aims to host a seminar on the circular economy and the identification of new research activities.



A SEMINAR In Dakar seen by...

MICHELLE MONGO, MICHELLE MONGO, LECTURER AND FACILITATOR OF THE SEMINAR IN DAKAR

« This seminar follows the publication of the collective work "Circular Economy in Francophone Africa: Issues and Challenges", published by the Institute of the Francophonie for Sustainable Development (IFDD) with the participation of Mines Saint-Étienne as coordinator and contributor.

This book is the result of a collaboration with four key partners, including CERIEC, OFÉ, and RNF, brings together contributions from experts from our "Fayol Institute" (Valérie Laforest, Sophie Peillon, Audrey Tanguy, Hervé Vaillant and

Fatima Bannout). The circular economy is a concept that requires a systemic vision enabling economic, environmental and societal issues to be taken into account and applied to different contexts.

By bringing together multidisciplinary skills in responsible management, sustainable innovation and environmental engineering, the work of the Fayol Institute promotes broader reflection on the circular economy."

KEY DATES

///YOU MAY HAVE MET US AT :

- **The Brafitec Forum,**
in Salvador de Bahia, Brazil, June 2024
- **The EAIE Conference,**
in Toulouse, France, September 2024
- **The general assembly
of T.I.M.E. Association,**
in Montréal, Canada, October 2024
- **The « Entretiens Jacques Cartier »,**
in Québec, Canada, October 2024

All fired up!

Justine Montagne had the honour of carrying the Olympic flame when it passed through Saint-Étienne on Saturday June 22, 2024.

A memorable experience for the young student from Mines Saint-Étienne and a source of pride for our School which could not hope for a better event to symbolize its international openness and promote the values of surpassing oneself, of inclusion and of sharing that are all so dear to us.



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