

The Plastics Innovation Competence Center and The School of Engineering and Architecture of Fribourg

Welcomes You in Switzerland



The PICC & HEIA-FR are located in Fribourg, a privileged city of Switzerland, being:

- a vibrant university town;
- a bilingual and multicultural city;
- an historical cross-road of trade and commerce;

The HEIA-FR trains engineers and architects at a BSc and MSc level. It offers a practice-based education with the opportunity to take bilingual classes (French/German).

The PICC is part of the HEIA-FR with a focus on applied R&D in close collaboration with industry. It acts as a “one-stop shop” for industry to address technological challenges related to all aspects of plastics, and to find innovative solutions for the short & long-term.



Students

The PICC offers internships for PhD, MSc and BSc students in the field of applied polymer chemistry, polymer processing and design, modelling and simulation. Practical hands-on experimental work is combined with scientific understanding. An internship typically has a minimum duration of 6 months. Students may participate in applied R&D and joint industry projects as trainees or contributors. Within an international team, the students closely collaborate with experienced scientists and engineers under the supervision of dedicated HEIA-FR professors.

Research Focus Areas

- Conventional plastics processing including selection, optimization, and product design. Development of plastic products using existing or novel polymers for tailored high value engineering, sports and medical applications
- Enhancing performance of conventional and novel polymers, blends and hybrids. Designing plastic products for easier handling and recycling including the use of bio-mass based polymers, considering the full life-cycle of the applications to advance the implementation of a circular economy. Advanced characterisation and modification tools are applied such as rheometers and atmospheric plasma
- Modelling and modelling tool development for the multi-scale simulation of polymer behaviour from the atomistic to the continuum level as aligned to polymer processing and application usage.

A very vibrant university town in an idyllic setting

The city of Fribourg is a medieval gem with the largest number of medieval buildings in Switzerland. Located at the foot of Alps, many sport activities are offered including wintersports. With 10,000 students, out of a total of 40'000 inhabitants, they as nowhere else define the city life.

To apply:

Please contact your International Office and plan your stay at least 5 months before your arrival.



**PLASTICS INNOVATION
COMPETENCE CENTER**

Rudy Koopmann, Director
Passage du Cardinal 1
Bâtiment A
1700 Fribourg
026/ 429 68 28
Info@plasticsinnovation.center

www.picc.center