

The professional integration of young graduates in industry :

a strategic challenge for SOLEIL

Beyond the (initial or research) training of young people working temporarily within its research groups, SOLEIL is keen to ensure their employability in three sectors: directly with SOLEIL, in public research institutions or in industry. The latter entry point was the subject of a Research-Industry Forum held on October 8th, 2015 at SOLEIL.



Signature of the "Scientific and industrial collaboration for research infrastructures agreement" between the PIGES association and the 3 institutes. From left to right: J-L. Lancelot, President of the PIGES association and Director of SIGMAPHI; Ch. Herbeaux, acting director of SOLEIL "Technical Services" division; J. Daillant, SOLEIL Director General; M.Faury, Deputy-director of the CEA Saclay, Matter Sciences Direction; A. Nadji, SOLEIL Director of the "Sources and Accelerators" division; J. Martino, IN2P3 Director, CNRS.

This Research-Industry Forum was established at the initiative of the Industrial Partners for Large Scientific Instruments Association (PIGES), grouping 11 French companies operating in the field of scientific and industrial instrumentation, including 2 large companies (Air Liquide and THALES) and 11 SMEs or SME groups, with the support of its three main technology partners in the research community, IRFU within CEA, IN2P3 of the CNRS and SOLEIL.

The strategic objective of this forum was to encourage exchanges between professionals and young people under training in research structures and who have aspirations to start their careers in industry. It was structured around four main aims:

1. Presentation of areas of activity and expertise of each member company of the PIGES Association, in order to introduce students, trainee engineers and PhD students to industrial activities that have openings for young graduates,
2. Presentation of the employment policy of the three research structures regarding their trainees, apprentices and PhD students,
3. Presentations by young people currently under training of a range of internship topics and theses within the three research structures, in order to enable industrialists of the PIGES Association to discover new talents that could facilitate the uptake of devices and innovative methods in their businesses,
4. Direct discussions between the directors and representatives of these companies and young people being trained in these three research structures.



Speech of Sébastien Bousson, engineer at the Nuclear Physics Institute (IN2P3/CNRS, Orsay, France), winner of the CNRS 2015 Crystal Medal.

In the morning, the forum brought together more than 60 participants and programmed about 20 five-minute presentations. Many contacts were also established between business representatives and future graduates. The subjects of internship or theses and CVs of young people who could not participate in the forum, (taking courses, away on projects, etc.) but interested in working in industry were handed in to the secretary of the PIGES association.

This forum is part of a comprehensive approach to encourage the mobility of staff between research organizations and industrial companies. The external mobility of its engineers, researchers and PhD students to industry is one of SOLEIL's three pillars in its research development activities, the other two being research partnerships and the transfer of knowledge (know-how, patents, software, etc.).

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IN BRIEF

➤ DICHRO50 AND SATT

The Dichro50 project of SOLEIL is one of the ten projects selected by Paris-Saclay's Technological Transfer Acceleration Society (TTAS) during its first call for projects, Maturation 2014, which received 33 projects from 14 structures of the Université Paris-Saclay. Dichro50, which propose the valorization of a specimen-holder cryogenic insert, is driven by the DEIMOS beamline of SOLEIL, in partnership with two laboratories from the University of Strasbourg and the Pierre and Marie Curie University and with Cryoconcept, a company based in Essonne.

➤ ONE FOR SIX, AND SIX FOR ONE

The LUCRECE project gathered around SOLEIL two local laboratories – the Laboratory of the Linear Accelerator (LAL, Orsay) and the Institute of Research into the Fundamental Laws of the Universe (IRFU, Saclay) – and three companies, member of the PIGES association (gathering the French industrial partners of the large scientific facilities) – THALES Electron Devices, ALSYOM and SIGMAPHI Electronics. It aims to develop an elementary radio-frequency kit in continuously run to equip Energy Recovery Linac (ERL) or femtosecond free electron laser sources.