transforming tomorrow

ArcelorMittal

Where will you have your next challenging professional experience?

*ArcelorMittal is the world's number one steel company, with **260,000 employees in more than 60 countries**. It has led the consolidation of the world steel industry and today ranks as the only truly global steelmaker with an industrial presence in 27 countries.*
*ArcelorMittal is the **leader in all major global markets**, including automotive, construction, household appliances and packaging.*

We are visionary thinkers creating opportunities everyday. This entrepreneurial spirit brought us to the forefront of the steel industry.

Join ArcelorMittal Global R&D and envision the steel of tomorrow!!
ArcelorMittal Global R&D is spanning the Globe with 11 sites dedicated to research (operating in process, products, application and steel solutions) within 7 countries and more then 20 nationalities. Because quality outcomes and innovation spirit depend on quality people, we seek to attract and nurture the best people to deliver superior and innovative solutions to our customers.
Would you want to integrate a multicultural company with challenging missions and passionate people, ArcelorMittal is for YOU!

We are looking for Interns, VIE, apprentices willing to work in a multicultural environment in different domains.
English will be a plus.

Location		Contact			
Research center:	Maizières	**Last name:**	Zouaghi	**E-mail :**	ahmed.zouaghi@arcelormittal.com
Cluster :	Process	**First name:**	Ahmed		
Department:	Steelmaking	**Job title:**	R&D Engineer	**Phone number:**	00 33 3 87 70 40 11

Training offer	
Mission title: Optimization of dynamic soft reduction control model in continuously cast slab	
Start date: March 2017	**Duration:** 5-6 Months
Worklocation: Maizières-lès-Metz FRANCE	

Areas

- ☐ Purchasing
- ☐ Commercial / Marketing
- ☐ Finance / Audit
- ☐ Legal / Communication
- ☐ Supply Chain / Logistic
- ☐ Maintenance
- ☐ Production / Process / Exploitation
- ☑ Research & Development / Metallurgy Innovation
- ☐ Recycling / Process and Product Development
- ☐ Human resources / Health / Safety / Environment
- ☐ Strategy & Business Development
- ☐ Information System / Industrial Computer Science

The purpose of the mission :

The quest for highly advanced steel quality satisfying customers' stringent specifications is one of the most important commitments of ArcelorMittal group. In this context, several efforts are made to improve the internal soundness and structure of continuously cast steels. Advanced equipment such as dynamic soft reduction machines have been placed in industrial practice with top-level performance. This technology is usually applied at the final stage of solidification and has an obvious effect on internal quality and properties of slabs. It is based on both following the tracks of the solidification end point and adjusting the roll gap with the changing of solidification end point.

The mission : accountabilities and activities

The purpose of the training is:
- to optimize a dynamic soft reduction control model through a computational investigation of the effect of the model parameters on slab quality using industrial process data.
- to propose modifications to fit model prediction with industrial results in terms of slab quality.

The environment

The trainee will be integrated in a R&D team about 30 people (engineers + technicians). He / She will interact with ArcelorMittal plants in Europe and possibly with North and South America. He / She will also exchange with others R&D teams in France.

Trainee's profile	
Studies level: Master degree minimum	**Discipline :** Materials Science / Process Engineering / Mechanical Engineering
School/University : /	

Required profile and competencies

- Master of Science in Materials Science / Process Engineering / Mechanical Engineering.
- Background in Metallurgy and Heat Transfer.
- Good knowledge in programming (Matlab, Python, …)
- Autonomous and self-motivated
- Good communication skills.
- Fluent in English and French.

To put back to appropriate trainee correspondent