Assistant Professor (Tenure Track) in Rapid Digital Casting at Ecole Nationale Supérieure d'Arts et Métiers (ENSAM).

Job description
The recruited contractual teacher-researcher will be responsible for teaching in casting and energy. Through confirmed skills in product modeling/manufacturing, the recruited teacher will intervene mainly in fluid mechanics training in connection with technologies for the implementation of manufactured products by advanced and innovative casting processes with a particular focus on modeling of low pressure casting filling phenomena in magnesium and aluminum. He will be strongly involved in the overhaul of these teachings, by focusing on the optimization in casting of the product - process - material triptych.

We are searching for a talented and motivated candidate with a solid background in the area of science, technology, engineering (STE) for digital manufacturing (SM) to join our team as an Assistant Professor. Initial focus of the appointment will be on the day-to-day research development of the Rapid Digital Casting research programs and engagement in manufacturing education of Bachelor and Master programs.

The candidate should have a strong educational track record in the field of computational fluid dynamic for digital casting pressure technology, including experience in teaching and research preferably in an international setting. The candidate needs to have a strong commitment to excellence in research, which is the main focus of this position. In addition, the candidate will also be responsible for developing and teaching courses as well as supervision of the work of bachelor and master students. Candidates with a multidisciplinary interest and willingness to cross boundaries between disciplines are especially encouraged to apply. The candidate is expected to become an active part of our community, organizing research programs and building a scientific network for our students and staff within ENSAM and TEES and across the world.

We offer:
- A full-time Assistant Professor position.
- A tenure track of six years with an initial three-year contract (renewable once for another three-year period) with agreed specific goals. Depending on performance and ability to achieve goals, a permanent contract may be offered during the six years.
- An international academic environment and student community.
- A dynamic campus in the charming Aix-en-Provence city located in the south of France and an excellent research environment for aerospace and energy industries.

Candidate Qualifications:
- A PhD degree in manufacturing, materials science and engineering, or related fields;
- Scientific research and teaching experience in the field of smart digital machining technologies;
- Experience with international mobility;
- Teaching experience in all levels of higher education (Bachelor, Master and doctoral studies);
- A strong record of original research publications in recognized international scientific journals;
- Experience in the successful supervision of PhD students;
- An excellent track record, which reflects a strong commitment to science and engineering research and education;
- An excellent command of the English language; basic comprehension of the French language;
- You are comfortable in an international setting and rapidly developing environment.

Application
To apply please follow the submission instructions (in French) on the application website: https://dematec-aix-en-provence.ensam.eu. The closing date is 14 April 2021 at 12pm (noon).

The application should include (in English):
- a cover letter (dated and signed);
- documents proving that the candidate holds the required academic degree (PhD or an equivalent qualification);
- a *curriculum vitae* (in French as well as in English!);
- a list of publications;
- an academic portfolio;
- other documents considered to be important by the applicant.

Additional information
For more information about the research groups in Material Science and Advanced Manufacturing and their activities: www.msmp.eu; the ENSAM/TEES collaboration: https://www.am2.tech/; the position: https://artsetmetiers.fr/fr/enseignants-chercheurs-contractuels.

Would you like to know more about this vacancy or on our ENSAM/TEES joint research strategy? Please get contact **Prof. Mohamed El Mansori**, mohamed.elmansori@ensam.eu.