

Senior Researcher in Generation of Multifunctional Surfaces with Laser Microprocessing

- Analysis of actual capacities, definition of needs and participation in the definition of strategic research lines in laser micro processing.
- Development of research activities in the field of generation of multifunctional surfaces with laser microprocessing. Activities will include setup definitions, experimental trials, and result analysis.
- State of the art at international level in laser micro processing: laser sources, processes and materials.
- Launching of new R&D projects, market uptake.
- Networking with technological and scientific partners at international level.
- Scientific support for technical services offered by AIMEN to industry, related with laser surface modification.
- Scientific publications and communication to the international scientific and industrial community.

Application:

Attach your CV and cover letter in a single electronic file. Please also indicate the Job reference: **CAL-01/13**.

Should you have any question, please, contact us by email at rrhh@aimen.es stating the Job reference in the Subject of your email.

Desired skills and experience

Education:

- PhD degree in Physics, Materials Science or Engineering, preferably in the domain of laser processing.

Specific Competences and Skills:

- Knowledge and demonstrated experience in laser micro processing.
- Knowledge in materials and light-matter interactions.
- A proven track record of scientific excellence should be demonstrated, in the field of laser micro-processing.
- Management of R&D projects.
- Advanced command of both written and spoken English.

Other Skills:

- Knowledge of optical design and fluid mechanics.
- Experience in experimental setup design and realization.

Experience:

- Micro processing of surfaces with laser.
- Participation in EU funded projects.
- Experience in EU projects.
- Publications in journals of the Journal Citation Reports.

- Patenting.

Desirable Criteria:

- Communication skills, teamwork oriented and leadership.
- Excellent analytical, planning and organisational skills, including ability to prioritise.
- International experience.
- Knowledge of Spanish.

About the employer

Since 1967, AIMEN has contributed with its efforts and initiative to the strengthening of the competitive capacity of its associates and customers, through the promotion and execution of R&D&i activities and the provision of high added value technological services, evolving, adapting to, and anticipating the technological needs of the industrial sector.

Over 40 years of experience and success, more than 100.000 technical reports issued, and our leadership and active participation in over 100 R&D&I projects annually, endorse the brilliant history of the Centre. With a customer and partner base of over 800 organizations, AIMEN has an international presence in over 20 countries (2012). Nowadays, AIMEN has a first class reputation in:

- Materials Research
- Joining Technologies
- Laser Applications

In addition, the Centre provides a wide offer of services that confer AIMEN a unique character regarding its capacity to meet the different needs of the Industry: Inspection and NDT, Industrial Design, Simulation, Automation, Civil Engineering, Industrial Organization, Environmental Services, Technology Transfer and Specialized Training.

Reference number: CAL-01/13