



CURRICULUM VITAE

Name: Carlos
Surname: Sáez Comet
Place and Date of Birth: Zaragoza, June, 12th, 1979
Address : Calle Moles 20, Entlo. 1ª
Telephone +34606714990
E – mail: csaezcomet@gmail.com
Driving License: B1

WORKING EXPERIENCE

- Since March 2018:** Senior researcher at the Polymeric materials and processes unit at EURECAT (www.eurecat.org) Technical centre in Barcelona.
Main research lines: polymer processing (injection/extrusion/thermoforming/blow moulding) / nanotextured functional polymeric surfaces (line leader) /biopolymers processing and design/ In-mold-electronics (main line)
- March 2017-October 2017:** Application Development Manager EMEA-Hygiene Products in Berry Plastics in Barcelona.
Main tasks: Non-woven material testing, development, selection and implementation on customers manufacturing lines for diaper/feminine care applications
- January 2015-February 2017:** Working as Senior Product Development & new applications engineer at **VELCRO Industries** in Barcelona (Spain), managing different strategic R+D programs in the EMEA region for the Construction/Packaging/Industrial goods sectors.
Main tasks: Development of new applications, R+D testing, customer support on new business development.
- April 2010-November 2014:** Working as Kevlar® and Tensylon™ application development manager in the company **DuPont de Nemours International Operations S.A.** in Geneva (Switzerland), in the *DuPont Ballistic Protection Technologies* division
Main tasks: 70% Technical support to customers (mainly tender-based business) and training to sales and marketing teams, 30% development and conception of R+D projects)
- September 2008 -October 2009:** Working as R+D materials engineer in a one-year program at the European Technical Centre of **DuPont de Nemours International S.A.** in Geneva (Switzerland), within the *Engineering Polymers* division.
Main tasks: Friction and abrasion testing of thermoplastic polymers and material selection for automotive/medical sectors based on results.
- March-Aug. 2008:** Materials and mechanical-projects engineer in the company **ANDRITZ VA TECH HYDRO**, dedicated to the construction and renewal of hydro-turbines.
Main tasks: improvement of non-destructive testing methods for metallic parts (cast turbine blades), material selection and testing.

- 2006- 2008:** Working as materials and mechanical engineer in the structural test's laboratory of **INTEMAC (Madrid)**.
Main tasks: Mechanical testing and evaluation of fibre-reinforced concrete –composites and structural members for civil construction in general.
- 2005 -2006:** Six months practice period in the **Fraunhofer Institut für Werkstoffmechanik** of Freiburg, (Germany), developing the end of studies project on the area of testing and simulation of "High tech-ceramics", inside the project **DiaCer**.
- 2002-2003:** Ten months practice period in **SAACKE Bremen GmbH & Co. KG** (Germany), developing and improving new pieces and mechanisms for four industrial oil and gas-burners.

OTHER RELEVANT PROFESSIONAL EXPERIENCE

- Since 2015:** Associated Professor of "Advanced Materials" at the Design and Engineering School **ELISAVA (UPF)** www.elisava.net (Teaching at the Industrial design engineering grade – Master in design through new materials)
- Since 2016:** Collaborator of **IAAC** (Institute of Advanced Architecture of Catalonia) as Materials Advisor <https://iaac.net/>
- Since 2015:** Regular member of the Biomimicry Iberia group (www.biomimicryiberia.com)

EDUCATIONAL BACKGROUND

- 2003-2007** Polytechnic University, Madrid, Spain. **Master of Science in Material Science and Engineering**, developing a practice period and the end-of-studies thesis in the Fraunhofer Institut für Werkstoffmechanik , Freiburg (Germany)
- 2002-2003** Erasmus Scholarship in Bremen, Germany - **Diplomarbeit/Thesis in the FH Bremen** Internship in the company **SAACKE GmbH** (Feuerungs-und Energietechnik)
- 1998-2002** Escuela Universitaria de Ingeniería Industrial, Zaragoza.
Bachelor in Mechanical Engineering, majoring in machine and mechanisms' construction.

LANGUAGES

- English:** Fluent level spoken and written.
German: Fluent level spoken and written.
French: Fluent level spoken and written.

COMPUTER & OTHER SKILLS

Handling of the next programmes: *Word, Excel, Powerpoint, Autocad, Mechanical Desktop, Catia v5, Abaqus V6.5, ANSYS Workbench 12.0;*
Good Internet skills as a regular user.
Handling of universal testing machines, confocal microscopes.
Six sigma Green-belt certified.

PATENTS

WO2018114869A1 • 2018-06-28
PL2796827T3 • 2018-08-31
WO2017157537A1 • 2017-09-21
US2017175896A1 • 2017-06-22