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Science and Technology, Research and Development, Training and Consulting
TRAINING

- 1989** PhD in Solid State Physics (Louis Pasteur University, Strasbourg). .
- 1985** Applied Chemistry DEA, Materials Science Options (Louis Pasteur University, Strasbourg)..
- 1984** Master's degree in Solid Physics (Ferhat Abbas University of Sétif, Algeria)

GRADES :

- 1990** : Assistant Lecturer
- 2001** : Senior Lecturer
- 2008** : University Professor.

PROFESSIONAL CAREER AND SKILLS

Since 2013 : Leader of a referenced training organization FEEIM.

- Monitoring and study of several technological and scientific projects: - solar power plant, - submarine more than 11km deep, - to climb to more than 41km of altitude in balloon then descent in complete safety, - rescue mountain climbers lost in high mountains, - construction of a suspension bridge: modeling, - study of a hydroelectric plant, - flexible optical fiber, - Study of the development of TA6V on Al surface for aerospace, aeronautical and implant applications.
- Teaching mathematic, applied physics, - thermal, energetic and mechanics, - mechanical engineering.

Since 2011: Business leader FEEIM

- During 2011 and 2012 : Study of several development's projects of innovative industrial product, - functionalization of surface, - photo-catalysis, - nanotechnology, - hemp 'refine the fiber by natural methods', - photovoltaic, -

2010 à 2011 : Collaboration with the University of Toulouse (CIRIMAT laboratory).

- Research subject: improvement of the optical and electrical properties of the SU-8 resin loaded with the carbon nanotube.
- Contribution to the management of engineering dissertations and Master's internship.

1989 - 2010 Teaching and scientific research At Ferhat Abbas University of Sétif (Algeria) : -Direction of several doctorates, and several memory of masters engineers.

- ◆ **June 2009** Visiting professor at the University of Nîmes (France).
- ◆ **2007 à 2009** Director of the laboratory DAC - Algeria (Dosage, Analysis and Characterization in High Resolution)
- ◆ **2000 à 2009** Team leader of the DAC laboratory - Algeria: Direction of memory of engineers and doctorates.
- ◆ **1997 à 2010** . Head of research project financed by the Algerian State.) :

⇒ **Computer :**

- Simulation software (CASTEM, MEFMOSAIC), - ORIGIN data exploitation software, - Flow code software, - RDM6 software, - Proteus Isis, - Powerpoint, -Illustrator.

⇒ **Modeling and simulation:**

- Determination of a mathematical model for temperature calculation in the heat treated zone with power laser, - Differential calculation by finite elements.

⇒ **Languages :**

French fluent, current Arabic, technological English

KEY ACHIEVEMENTS

- ⇒ Tutoring and monitoring more than 30 scientific and technological projects.
- ⇒ realization of 5 scientific films (video)
- ⇒ Expertise of several scientific articles for Elseviers journals.
- ⇒ Publications in renowned specialized journals of 11 articles "Vacuum, Ionics Springer, Current Applied Physics, Electrochemical Acta, Materials Science Semiconductor Processing".
- ⇒ Numerous participations in international congresses, communications and acts of proceeding
- ⇒ Realization of a dip-coating for the deposition of thin layers by Sol-Gel route
- ⇒ Design and realization of a DC electric motor.
- ⇒ Author of a book entitled "Algeria, solar energy and hydrogen, sustainable development". Edition: OPU ISSN No .: 1.02.4896, July 2007.
- ⇒ Pre-industrial property diagnosis prepared by the INPI in Toulouse in June 2012.