

Short biography

Salah RAMTANI received a Ph.D. in Mechanics of Solids and Structures from Pierre & Marie Curie University of Paris in 1990. The topic of his diploma was about *Damaged-concrete behavior under multiaxial loadings including unilateral effects*. In 1994, he obtained a position at the University Paris XII Val-de-Marne as associate Professor of Mechanical Engineering where his main research topics were the field of *Biomechanics*. His research concerned damaged-bone remodeling, biomechanics of wound healing as well as ultrafiltration throughout the arterial wall from theoretical, numerical and experimental viewpoint. In 2004, he joined the LPMTM (Now LSPM) laboratory at Paris 13 university as a full professor of mechanics where he started new research activity dealing with micromechanical (i.e., generalized self-consistent approach) modeling of *nanocrystalline* and *ultrafine grained* materials. Since January 2014, his research activity concerns the field of the biomaterials for health, including both experimental and biomechanical aspects, at the CSPBAT-LBPS laboratory still at Paris 13 University.

During the period September 2010-August 2016, he was the head of the *Mechanical Engineering and Manufacturing Department* at the University Institute of Technology at Saint-Denis. Since January 2016, he is elected titular member of the National Council of Universities (CNU), section 60 (Mechanics, Mechanical Engineering, Civil Engineering). He was also during the period 2008-2013, the President of *the expert comity* in the field of Mechanics, Engineering mechanics and Civil engineering of Paris 13 University.