



Professor Alain Junqua

Professor Emeritus
University of Poitiers

Initially Physicist, he was deputy director of the University Institute of Technology of Poitiers from 1978 to 1982 and President of the UEREPS Poitiers (now Faculty of Sport Sciences) from 1978 to 1983 entity where he developed highly innovative lessons for the time.

Alain Junqua has contributed during much of his career to the development of biomechanics in France. He created in 1980, in a CNRS laboratory, the first research team turned exclusively first to the study of conditions for sports practices (materials and equipment) and then to the mechanical study of sport gestures; he supervised, as part of the doctoral school "Engineering Sciences" of the University of Poitiers, forty theses on this topic. He is co-author of twenty articles in solid state physics and, more recently, over fifty articles and biomechanics of five popular books. Within the Society of Biomechanics, he was particularly active in participating in the organization of several annual conferences. But he also co-organized several congresses in France on behalf of the International Society of Biomechanics including that of Poitiers in 1993 (Second International Symposium of the 3D analysis of human movement) with Herman Woltring and Paul Allard.

Now Professor Emeritus, Alain Junqua focused on developing, from the research of its former research team, an innovative methodology of learning the basic concepts of Newtonian mechanics; very difficult to teach because they are opposed to empirical designs from our experiences of daily life, these concepts are discussed with some success by teenagers through their sports practices because they are meaningful to them. This operation has the main purpose of giving children an early taste for modern engineering sciences; it is conducted by the RoBioSS research group with the support of rectories authorities of the Poitou-Charentes Region and in consultation with the National Olympic Committee French; as such, this operation is now known under the name "Olympic Classes and sports science."