

CV OF SERVANDO ÁLVAREZ DOMÍNGUEZ

Servando Álvarez is full professor at the Energy Engineering Department of the University of Seville.

Since 1979 he has been mainly involved in modeling and simulation research applied to the rational use of the energy and the application of renewable energies in buildings and urban areas.

Since 1987, he has participated in more than 35 international projects such as those belonging to the frame of DGXII, DGXVII, DGTREN or I.E.A. Solar Heating and Cooling Programmes (Tasks VIII and XII).

From 1988 to 1992 he has been in charge of the basic research (including modeling, experiments and validation) as well as of the design and evaluation of the climatic control of the outdoor spaces of the EXPO'92 Universal Exhibition of Seville . Since 1993 he was involved in some national projects to perform a detailed analysis of the results obtained during the exhibition period and to explore the possibilities of expanding the use of renewable natural cooling techniques to other situations. In the same field, he has been involved in the climatic aspects of the urban design of some areas of the EXPO'98 Exhibition of Lisbon.

For the implementation in Spain of the SAVE 93/76/EC Directive and the Energy Performance of Buildings Directive 2002/91/CE , he has been responsible of many of the research activities leading to their national transposition.

In a complementary context, he has been coordinator of some EU projects such as the Altener project GREENCODE which aimed to provide the background and the planning tools to be used for the development, modification and eventual implementation of municipal ordinances in such a way that they became effective instruments of promotion and energy conservation activities linked to the use of the vegetation and the albedo of building products.

He got 7 national and international research awards such as the MOUCHOT prize in 1993 for the “extraordinary application of solar energy technologies in Architecture and Urban Planning”.

He is main author or co-author of 10 technical books, he has published 20 papers in national and international journals such as Solar Energy or Energy and Buildings and more than 50 papers in international congresses.