

Francesco CALOGERO

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CURRICULUM VITAE of **Francesco CALOGERO**

Born in Fiesole (FI), Italy, February 6th, 1935. Married with Luisa La Malfa (1959). Daughter Anna (1964); son Paolo (1966); two grandchildren, Cor (2000) and Stella (2003), both from Anna.

Present position (since 1976): Professor of Theoretical Physics, University of Rome I "La Sapienza".

Graduated ["laurea in fisica"] *cum laude* in Rome, February 1958. Associated since then with the Physics Department of Rome University, except for the period of his military service (1959-1960) and various visits abroad: two years in the USA (1961-1963: Berkeley and Princeton), three months in India (1967: mainly Madras), one academic year in Moscow (1969-1970: ITEF) and one in London (1979-1980: Queen Mary College). Has held Visiting Professor positions in Groningen (first occupant of the Zernike Chair), London, Montpellier, Hefei (China), Paris, Cuernavaca.

Has been the main organizer of many International Conferences. Serves (has served) as member of the Boards of the following international journals: Reviews in Mathematical Physics, Methods of Functional Analysis and Topology, Journal of Nonlinear Mathematical Physics (Inverse Problems, Reports in Mathematical Physics, Nuovo Cimento B, Europhysics Letters). Served as Member (1987-1990), Scientific Secretary (1990-1993), Chairman (1993-1996) of the Mathematical Physics Commission of the International Union of Pure and Applied Physics (IUPAP).

The scientific research activity has been focused on the following fields: Quantum field theory (mainly 1958-1961), Scattering theory (mainly 1961-1967), Nuclear many-body problem (1967-1975), Solvable dynamical systems (1971-), Integrable nonlinear evolution PDEs (1975-), Special functions (1977-), Finite-dimensional representations of operators and related results (1979-), Techniques for the numerical computation of the eigenvalues of differential operators (1983-), Cosmic origin of quantization (1996-), Dynamical systems with lots of completely periodic motions (2000-), Limits on the number of bound states in a given potential (2002-2004). The main current research interest is on a new approach to the onset of deterministic chaos. His scientific publications (all in English) include over 300 papers published in international (refereed) journals (partly in collaboration), three written books (one in collaboration) and two edited books (one in collaboration).

Has been interested in arms control, disarmament and conflict resolution since 1963. Has been one of the initiators, and continues to be one of the organizers, of the International School on Disarmament and Research on Conflicts (ISODARCO) and of the Italian Union of Scientists for Disarmament (USPID). Has been a member of the Governing Board of the Stockholm International Peace Research Institute (SIPRI) from 1982 to 1992.

From the beginning of 1989 to August 1997 served as Secretary General of the Pugwash Conferences on Science and World Affairs; in this capacity, *inter alia*, edited the quarterly Pugwash Newsletter, organized over 70 international meetings throughout the world, and accepted (Oslo, 10 December 1995) the 1995 Nobel Peace Prize jointly awarded to Pugwash and to Joseph Rotblat. Then served (1997-2002) as Chair of the Pugwash Council, of which is now a member. Has published over 400 papers (in Italian and English), co-authored three books (two in Italian and one in English [also published in Italian]), and co-edited two books (one in Italian; and one in English and Russian) on arms control and disarmament topics. Writes regularly a "Science and Armaments" column in the bi-monthly "Sapere" (the oldest science popularization magazine in Italy). In February 2001 delivered 5 Lectures on *Issues in Arms Control* in the framework of the Academic Training Program at CERN, now published (and available on the web) as the Yellow Report CERN 2001-004 (22 October 2001).

He is fluent in Italian, English and French (but has some problems with French orthography!), and manages to understand and speak Russian (to some extent).