

Short Curriculum Vitae

Name: Vítor João Rocha Vieira

Birth Date: August 9, 1951, in Beira (Mozambique).

Diplomas and Degrees:

- “Provas públicas para Investigador Coordenador” (equivalent to “Provas para a Agregação”, Instituto Superior Técnico, November 28-29, 1996.
- Ph. D. in Physics, Univ. of Chicago, Chicago, U.S.A., December 1979.

Actual Position:

- Investigador Coordenador, Universidade Técnica de Lisboa, 1997- .
- Professor Catedrático Convidado, Departamento de Física, Instituto Superior Técnico, Universidade Técnica de Lisboa, 1998-.

Contacts:

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Research Interests:

Strongly correlated electron and spin systems. Low-dimensional systems. Electronic systems with magnetic impurities. Haldane gap and influence of long-range interactions. Phase space representations of quantum mechanics. WKB. Feynman path integral. Non-perturbative methods: saddle point, loop and $1/n$ expansions, renormalization group. Quantum Monte Carlo and transfer matrix. Systems far from equilibrium. Real time formalisms. Quantum stochastic processes. Quantum information and computation.