

Carlo Morosi. CV

Master degree in Physics (Milano, 1967).

Professor of Theoretical Mechanics at the Somali National University (Mogadishu, 1975-1976).

Professor of Mathematical Physics at the University of Perugia (1987-1990).

Full professor of Mathematical Physics (Department of Mathematics, Politecnico di Milano) since 1990.

Author of about sixty papers in the realm of Mathematical Physics.

Main research topics in the last ten years:

- (i) quantitative analysis of perturbed one-frequency systems via the averaging principle, with applications to the satellite motion;
- (ii) functional calculus in Sobolev spaces;
- (iii) quantitative estimates of the sharp constants in Gagliardo-Nirenberg and Sobolev-type inequalities;
- (iii) fully quantitative estimates for the error of approximate solutions of evolutionary pde's via a posteriori analysis, with applications to the Euler and Navier-Stokes equations.