



PIETRO SALVINI

CURRICULUM VITAE

Born in Rome the 5th July 1961.

In 1987 he obtained the Degree cum laude in Mechanical Engineering at the University of Rome La Sapienza.

He was research assistant of Costruzione di Macchine (Machine Design) at the University of Rome "Tor Vergata" (1990-99).

From 1994-98 he was substitute Teacher of Machine Design at the University of Cassino.

In 1998 he assumed the permanent position of Associate Professor at the University of Cassino. On November 2000 he became Full Professor at the University of Rome "Tor Vergata".

His research activities span over several items concerning the Mechanical Engineering:

- ✓ *numerical methods used for the structural analysis of structures;*
- ✓ *automatic updating techniques on numerical models for the matching with experimental results;*
- ✓ *plastic deformations of structures subjected to large deformation as a consequence of a crash;*
- ✓ *identification of optimal structural modification of structures to fulfil particular dynamic behaviour;*
- ✓ *fracture mechanics with particular emphasis on ductile fracture propagation of gas pipelines;*
- ✓ *fatigue and crashworthiness behaviour of non continuous welded sheet metal structures such as spot welded structures;*
- ✓ *methods for the active design of industrial machines for noise and vibration reduction;*
- ✓ *dynamic analysis of long trains for the seek of safety operating conditions during transitory events;*
- ✓ *Optimal configuration of multi satellite systems and techniques of re-deployment;*
- ✓ *inertia navigation systems cooperating with GPS for fine localisation.*

He is the author of more than 120 scientific papers; concerning the previous mentioned scientific research activities. More than half of them are published on international journals or international conferences.

Form 1993 to 1998 he collaborated with the Istituto della Enciclopedia Treccani.

He is the member of the main italian assosiation concerning his activities (AIAS, AIMETA, IGF, CIFI) and he is also a member of some of foreign associations (ASME, SAE, SEM).

In 1995 he received the Capocaccia Award from AIAS, in 1999 the Arch. T. Colweel Award from SAE and in 2005 he received an award for best publication from CIFI.