

## **FRANCESCO CAPUTO**

### ***ACADEMIC POSITION***

Associate Professor

at the University of Campania Luigi Vanvitelli – Dept. Of Engineering

### ***EDUCATIONAL BACKGROUND***

- Mechanical engineering degree – University of Naples Federico II (12/1995)
- Ph.d. in Machine design and construction (10/1999)

### ***TEACHING AND RESEARCH ACTIVITIES***

- Teaching and research activity at the dept. of Industrial design and management of University of Naples Federico II, at the dept. of Mechanical engineering of University of Salerno and at the dept. of Industrial and Information engineering of Second University of Naples, on the following topics:
  - Machine items design;
  - Use and development of numerical technique based on the finite element method;
  - Numerical simulation of high non linear structural phenomena (post-buckling, crashworthiness, metal forming, etc);
  - Virtual simulation of industrial processes.
  - Virtual Biomechanics and Ergonomics;
  - Fracture mechanics in linear-elastic (LEFM) and elastic-plastic (EPFM) field;
  - Structural behaviour of composite structure under static, dynamic and impact loading conditions.
- Award at AIAS (Italian Structural Analysis Association)
- Award at ASME (American Society Of Mechanical Engineers)
- Research and Management activities in several research programmes co-funded by Italian Government or European Commission.
- Authors and co-authors of about 100 papers published on international journals.