



---

PROF. Raffaele Fresa

---

SCIENTIFIC CURRICULUM VITAE:

Raffaele Fresa is affiliated with the Basilicata University (where he is Associate Professor of Electrical Engineering) and Consorzio CREATE (where he is a member of the scientific council)

Biosketch:

[1990] Degree (magna cum laude), Electronic Engineering, Univ. Salerno, Italy [1994] PhD, Electrical Engineering, Univ. Napoli, Italy

[1990-94] Research Associate, DIIE , Univ. Salerno, Italy

[1991-93] Visiting scientist, NET Team, Eng.,Max Planck Inst. für Plasmaphysik, Munchen, Germany

[1993-94] Temporary Professor of Electrical Engineering, Univ. Cassino, Italy [1994-2002] Research Scientist and Temporary Professor of Electrical Engineering (1998/2002), Univ. Salerno, Italy

[1998-2001] Temporary Professor of Electrical Engineering, Univ. Calabria, Italy

[2002-] Assoc. Prof. of Electrical Engineering, DIFA, Univ. Basilicata, Italy [1996] Visiting Scientist, NET Team, Eng.,Max Planck Inst. für Plasmaphysik, Germany

[2008] Visiting Scientist, JET tokamak, Culham, UK

[2007-08] Scientific Coordinator of the Italian PIA Research Project "Frigotrace- Traceability of the cold chain "

Research activities

Research Interests: Analytical and numerical methods for Electromagnetic and coupled problems: differential error based approach, integral formulations, parallel computation, error estimation. Nuclear Fusion: plasma equilibrium, eddy currents analysis, plasma identification. Non destructive testing (NDT)

Referee for several international journals.

Co-author of CARIDDI (eddy current calculation), PROTEUS (simulation of tokamak plasmas) and CompFlux codes.

Author of 60 scientific articles about, including several invited papers.

Associate of research contracts or projects with various institutions including CNR, CREATE, ENEA, EURATOM.

---

PROFESSOR'S OFFICE HOUR: Tuesday 17.00-18.00. The office is located on the fifth floor of the "Scuola di Ingegneria" in "Macchia Romana" Campus.

---

E-MAIL: [raffaele.fresa@unibas.it](mailto:raffaele.fresa@unibas.it), [raffres@tiscali.it](mailto:raffres@tiscali.it)

---

WEBSITE: <http://informatica.unibas.it/moodle/course/view.php?id=182>

<http://scholar.google.it/citations?user=XRh5JekAAAAJ&hl=it>

<https://www.researchgate.net/home.Home.html?ref=home>

---

TELEPHONE: 3204371300

---