Mauro Parodi

Adjunct professor

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Education and training

1972

Electronic Engineering

Metodi di analisi lineare e non lineare per dispositivi attivi a parametri distribuiti - 110/110 e lode

University of Genoa - Genoa - IT

Academic experience

1986 - ONGOING

Full Professor

University of Genoa - Genoa - IT

1980 - 1986

Associate Professor Electrical Network Theory

University of Genoa - Genoa - IT

1973 - 1980

Assistant Professor Electronic Computers

University of Genoa - Genoa - IT

1976 - 1980

Appointed professor

University of Genoa - Genoa - IT

Language skills

English

Independent

Teaching activity

I am currently teaching the following courses:
(90607) Applied mathematical modelling and Automatic control - mod. A. Master's degree in Electronic Engineering (5 credits)
(80552) Mathematical methods for engineers Master's degree in Bioengeneering (9 credits)

Postgraduate research and teaching activity

Postgraduate (PhD) teaching activity

I held the following courses mainly addressed to PhD students in the electric / electronic field (but open to other Ph.D. students of the Polytechnic School):

- Modelling by partial differential equations
- Nonlinear Circuits
- Modelling: inverse problems and parameter estimation
- Iterative methods for linear equations systems and matrix eigenvalues

I held the following courses for the National School of Electrical Engineering PhD students 'FERDINANDO GASPARINI'

- Nonlinear circuits theory (1997, 2006)
- Inverse problems and methods of solution (2009).

Research interests

- Circuit Theory
- Circuit modelling of physical phenomena
- Methods for the synthesis of nonlinear networks
- Nonlinear systems analysis
- Mathematical methods for experimental data classification

Editorial activity

Paper reviewer for the journals

- IEEE Transactions on Circuits and Systems;
- *International Journal* of *Numerical Modelling:* Electronic Networks Devices and Fields