



# Gio Battista Denegri

Adjunct professor

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## *Education and training*

1970

### **Laurea in Electrical Engineerig**

Dynamic Modelling of Solid Rotor Turbogeneratos - 110/110 e lode  
Università di Genova - Genova - IT

## *Academic experience*

1973 - 1979

### **Assistant Professor of Electrical Engineering**

Università di Genova - Genova - IT

Modelling and Simulation of Synchronuous Generator Dynamics

1980 - 1986

### **Associate Professor of Electric Machines and Drives**

Università di Genova - Genova - IT

Modelling and Simulation of Electric Machines and Drive Controls

1987 - 2011

### **Full Professor of Electric Machines and Drives**

Università di Genova - Genova - IT

Power System Analysis and Control - Scientific Co-ordinator of the Network Infrastructures and Complex Electrical Energy Systems Lab (NICES) of DITEN.

## *Work experience*

1971 - 1972

### **Research Development Activity**

ELSAG - Elettronica San Giorgio - Genova - IT

Stabilization of Inertial Platforms

## *Language skills*

### **Italian**

Mother tongue

### **English**

Independent

### **French**

Basic

## *Teaching activity*

Professor of Electric Machine Dynamic.

Course content deals with:  
Transformer transients with saturation effects;  
Electromechanical Energy Conversion;  
Reference frame theory;  
Dynamic Modelling and Applications of D.C., induction and synchronous machines.

## ***Postgraduate research and teaching activity***

### **Supervision of PhD students, residents and post-doctoral fellows**

Supervisor of several Ph.D curricula in Electrical Engineering.

### **PhD committees membership**

Member of the scientific Board of PH.D. in Electrical Engineering of my Department (DITEN)

## ***Research interests***

Main interests and experiences concern with:

- Production, transmission and utilization of electric energy;
- Modelling, simulation and control of electric machines, drives and energy systems;
- Dynamic and harmonic analysis of power systems;
- Advanced voltage and power paths controls of electric grids;
- Study of industrial and distribution networks in presence of dispersed and/or renewable resources;
- Power quality of low and medium voltage distribution systems;
- Advanced model based control of turbogas units;
- System operator guidelines for power systems emergency control and restoration.

## ***Grants***

1986 - 2011

### **Dynamic and Control of Power Systems for Electric Energy Production and Transmission**

CESI - ANSALDO and other Italian Industries - IT

Scientific Coordinator - Average Amount of 10000 Euros each year. - Participant

## ***Editorial activity***

Reviewer of the Electrical Power System Research Journal

## ***Other professional activities***

Co-ordinator of consultant activity of my Department (DITEN).