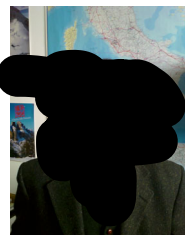


PERSONAL INFORMATION **ALBERTO BERIZZI**

EDUCATION AND TRAINING

- 1991-1994 **PhD in Electrical Engineering**
Dipartimento di Elettrotecnica, Politecnico di Milano.
▪ Tesi: "Determinazione delle condizioni di collasso di un sistema elettrico di potenza" Tutor: Prof. Andrea Silvestri.
- 1990 **MSc In Electrical Engineering (100/100)**
Facoltà di Ingegneria, Politecnico di Milano.
▪ Tesi: "Load flow mal condizionati: metodi tradizionali e tecniche numeriche per il miglioramento della convergenza" Relatore Prof. A. Silvestri.

ACADEMI CAREER

- Since 2006 **Full Professor**
Dipartimento di Energia (until 2008 Dipartimento di Elettrotecnica), Politecnico di Milano.
▪ SSD Ing-Ind/33, Electric Power Systems
- 1998-2006 **Associate Professor**
Dipartimento di Elettrotecnica, Politecnico di Milano.
- 1992-1998 **Assistant Professor**
Dipartimento di Elettrotecnica, Politecnico di Milano.

RECENT WORK EXPERIENCE

- 2020 **Research Leader**
Dipartimento di Energia, Politecnico di Milano
Islanding operation of the Alto Adige region during the 2019 blackout (Terna)
Field : Research and Development
- 2018 **Research Leader**
Dipartimento di Energia, Politecnico di Milano
Methodologies to design and control electric power flows in off-grid plants (ENI)
Field : Research and Development
- 2018 **Research Leader**
Dipartimento di Energia, Politecnico di Milano
Advanced methodologies to enhance power system security according to Dynamic Thermal Rating criteria (Terna)
Field: Research and Development
- 2018-20 **Research Leader**

- Dipartimento di Energia, Politecnico di Milano
Frequency regulation in electric systems with high RES penetration (Terna)
Field : Research and Development
- 2018-20 **Research Leader**
Dipartimento di Energia, Politecnico di Milano
Real-time monitoring of the stability of a power system and of its inertia (Terna)
Field : Research and Development
- 2018-2022 **Research Leader**
Dipartimento di Energia, Politecnico di Milano
Coordinator of Consortium ENSIEL within Horizon 2020 project OSMOSE.
Field: Research and Development
- 2016-2017 **Research Leader**
Dipartimento di Energia, Politecnico di Milano
Coordinatore dell'Unità del Consorzio ENSIEL nell'ambito del progetto Horizon 2020 MIGRATE.
Field: Research and Development
- 2015 **Research leader**
Dipartimento di Energia, Politecnico di Milano
▪ "Development of nowcasting services", Terna Rete Italia
Field: Research and Development
- 2014-2015 **Research Collaboration**
Dipartimento di Energia, Politecnico di Milano
▪ "Sustainable Energy Technologies for Food Utilization (SET4Food)" project, implemented by COOPI – COOPERAZIONE INTERNAZIONALE, Politecnico di Milano and Fondazione Politecnico di Milano, and co-funded by the European Commission's Humanitarian Aid and Civil Protection department (ECHO). Specific grant agreement: ECHO/ERC/BUD/2014/91006.
Field: Research and Development
- 2014-15 **Research Leader**
Dipartimento di Energia, Politecnico di Milano
▪ Impact of a 700 MW pumping storage plant for integration of renewables. Repower Spa
Field: Research and Development
- 2014 **Research Leader**
Dipartimento di Energia, Politecnico di Milano
▪ Software for Nowcasting, Terna Rete Italia
Field: Research and Development
- 2014 **Consultant leader**
Dipartimento di Energia, Politecnico di Milano
Analysis of ancillary service market for Sardinia and Sicily. AEEG, Italian Regulator
Field: Research and Development
- 2014 **Research Leader**
Dipartimento di Energia, Politecnico di Milano
Frequency control remuneration. EOn Italia.
Field: Research and Development
- 2012-13 **Research Coordinator**
Dipartimento di Energia, Politecnico di Milano
Coordinator of the Unit of Milan for consortium Ensiel FP7 project e-Highways 2020.
Field: Research and Development

TEACHING ACTIVITY

- 2016 **Instructor**
 Universidad de Sevilla
 ▪ Course “Control of voltage profiles – Voltage security and voltage scheduling”
 Field: Master
- 2016 **Instructor**
 CESI, Milano
 ▪ Course “Power System Stability”
 Field: Course for specialization
- Since 2016 **Instructor**
 Politecnico di Milano, Dottorato di ricerca in Ingegneria elettrica
 ▪ Power System Dynamics
 Field: PhD
- 2015 **Instructor**
 University of Sciences & Technology Houari Boumediene (USTHB), Algiers, Algeria
 ▪ Specialized post-graduation course “Power System Operation” for Sonelgaz
 Field: Capacity building
- 2013 **Instructor and coordinator**
 EOn Produzione
 ▪ “Control and protection of electric power systems”
 Field: Continuous knowledge
- Since 2012 **Instructor**
 Politecnico di Milano, Corso di Laurea in Ingegneria elettrica
 ▪ Electric Power Systems (10 Crediti, in Inglese)
 Field: MSc
- 2012-2013 **Instructor and coordinator**
 Cofely – Gaz de France
 ▪ “Electric power generation”
 Field: Continuous knowledge
- 2012 **Instructor**
 UNIDO ICS, Tunis (Tunisia)
 ▪ Training Course “Options and best practices for renewable energy technologies for productive uses in the Mediterranean region”
 Field: Capacity Building
- 2012 **Instructor**
 UNIDO ICS, Trieste
 ▪ Group Expert meeting “Potential of renewable energy options in off-grid areas in Africa. Importance of mini grid energy systems”
 Field: Capacity Building

2012 **Instructor**

UNIDO ICS, Trieste

- Training course “ Renewable energies for decentralized systems: supporting tools and best practices for green energy and sustainable development“

Field: Capacity Building

PERSONAL SKILLS

Mother tongue Italian

	COMPREHENSION		SPOKEN		WRITTEN
	Listening	Reading	Interaction	Oral	
French	A1	B1	A1	B1	B1
English	B2	C1	B2	B2	C1
TOFL iBT 103/120					

FURTHER INFORMATION

AWARDS

“Best Paper Award” a IEEE Ninth International Conference on Harmonics and Quality of Power (Orlando, FL, USA, 2001) for the paper: A.Berizzi, C.Bovo: The use of genetic algorithms for the localization and sizing of passive filters”.

Award for the best conference paper IEEE Med Power Conference, Athens (Greece), November 4-7, 2002 for the paper : P. Marannino, F. Zanellini, A. Berizzi, D. Medina, M. Merlo, M. Pozzi: “Steady state and dynamic approaches for the evaluation of the loadability margins in the presence of the secondary voltage regulation”..

Award IEEE Power Engineering Society “Working group recognition award for outstanding technical report” nel 2005 per il volume “Voltage stability assessment: concepts, practices and tools”.

Award IEEE Power Engineering Society “Technical Committee working group recognition award” nel 2009 per il volume “IEEE Task Force on blackout experience, mitigation and role of new technologies”.

Reviewer di riviste

Reviewer for the following journals:

- IEEE Transactions on Power Systems
- IEEE Transactions on Power Delivery
- IEEE Transactions on Sustainable Energy
- IEEE Transactions on Industry applications
- Electric power system Research

Associate editor of the IEEE Transactions on Smart grids