





PERSONAL INFORMATION VIRGINIA CANAZZA



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Sex Female | Date of birth 17/02/1975 | Nationality Italian

WORK EXPERIENCE

PRESENT POSITION

2018 - ongoing: CEO - Partner - Head of Strategies and Models division. Member of REF-E board of directors

2016-ongoing: Professor at University of Pavia - Faculty Of Engineering - Course "Energy markets and supply structure

Virginia is a senior energy consultant and electrical engineer with 20 years of experience, specialized in energy markets design, regulation, and operations.

At REF-E, she leads consultancy advisory and research, focusing on forecasting and simulation of the energy markets. Virginia supported many operators in the strategic assessment of new investments, business planning, trading optimization, risk management, contract renegotiations, antitrust procedures and regulatory issues, with a specific focus on the evaluation of the impact of the new reforms concerning ancillary services market, capacity market, renewable integration. Virginia supported the main Institution in regulatory and policy decisions.

Virginia is leading the Italian PPA Committee and she is involved in many projects on innovative business models for renewable, energy storage, energy transition.

Virginia is professor at University of Pavia - Faculty of Engineering- Master of Science degree course "Energy markets and supply structure".

PREVIOUS POSITIONS

June 2007 - april 2018: Senior energy consultant
REF-E srl (until December 2011 REF Ricerche per l'Economia e la Finanza srl)

March 2001 - June 2007: Senior expert
Main activities and responsibilities: Product and project manager
Name of employer: CESI SPA

November 2000 - March 2001: Software designer
Main activities and responsibilities: SW Developer
Name of employer: NUM-Groupe Schneider Electric

KEY/COMMUNICATION SKILLS AND ORGANISATIONAL / MANAGERIAL SKILLS

Senior Expert:

- Energy markets: market design, laws and regulations, energy policies
- Electricity and commodity (natural gas and EUA ETS) price forecasting: optimization approaches, simulation and forecasting models and market scenarios analysis
- European and Italian power systems: historical and perspective evolution, economic and technical features of generation fleet and grid infrastructures, demand, commodities, market competitive structure
- Investment evaluation
- Electricity demand forecasting

- Bidding strategies optimization
- Price risk hedging
- Emission Trading System
- Renewable generation and support mechanisms
- Innovative technologies: electrochemical storage, demand side response, distributed generation, aggregation
- Security of supply and adequacy assessment
- Electricity network security and dispatching
- Capacity remuneration mechanisms
- Antitrust investigations on electricity sector and litigation
- Cost benefit analysis applied to infrastructural intervention
- Power purchase agreement

Project Manager:

- Working team of 20 expert consultants
- Development of software products and IT services
- Relevant consultancy projects, partnership projects, European projects, multiclient projects
- Workshops and conferences
- Training activities

Business manager

- Development strategies
- Human resources
- Management control

MEMBERSHIP

- Member of the editorial committee of the review “L’Energia Elettrica”
- Independent Expert for Italian regulatory Authority on Terna (Italia TSO) of cost benefit analysis
- Party appointed Technical Consultant in several Court disputes
- Teacher at Green Energy Management master school, University of Milano Bicocca

PUBLICATIONS

- Director of “Energy Outlook” of Osservatorio Energia REF-E
- Author of several papers published on International Conferences, technical journals, and Monthly Newsletter GME (Italian market operator)
- V. Canazza and others, “The Italian capacity market: an attractive design for market players?”, 5th International Conference on the European Energy Market 2018
- V.C anazza and other, “Assessment of battery energy storage systems profitability in the Italian electricity wholesale market”, Computational Management Science Conference 2018
- V. Canazza and others, REF: “Rapporto Energia”, periodical report on the regulatory framework and competition state of art of the Italian electricity Market, 2013, 2010 and 2007
- V. Canazza and others, REF: “Support schemes for the achievement of National Action Plan objectives in renewable sector”, Working paper REF n.59
- V. Canazza and others, REF: “Implementation of Supply Function Equilibrium in Elfo++”, Working paper REF n.55
- V. Canazza and others, REF: “Le esportazioni di energia elettrica: analisi dei recenti fenomeni di export verso l’estero ed elaborazione di scenari previsionali per l’anno 2009”, Working paper REF n.48
- V. Canazza, REF: “Le criticità del mercato elettrico attuale e gli effetti delle congestioni di rete”, Working paper REF n.47
- P. Pericolo, V. Canazza, D. Canever, B. Cova, P. Marannino, F. Zanellini, - REF, CESI, TERNA, Università di Pavia: “Use of zonal and nodal market simulators in transmission network planning: application to the Italian system”, Cigré 2008
- V. Canazza, A. Venturini, C. Giannotti, - REF, CESI, Worldenergy: “Cross border electricity exchanges between Italy and neighbouring countries: scenarios of real competition among European power Markets and signal for related investments”, Cigré 2008
- A. Groppi, V. Canazza,- REF: “La localizzazione dei nuovi impianti e le infrastrutture di rete”, n. 6 della Rivista L'Energia

Elettrica, novembre-dicembre 2008

- M. Cirillo, V. Canazza,- REF: "Generazione Eolica: priorità di dispacciamento in situazioni di criticità del sistema elettrico", n. 6 della Rivista L'Energia Elettrica, novembre-dicembre 2007
- M. Gallanti, V. Canazza, M. Benini - CESI: "Protocollo di Kyoto: un incremento dei costi per il settore elettrico?", n. 5 della Rivista L'Energia Elettrica july-october 2005
- V. Canazza, D. Lucarella, A. Venturini - CESI. Guang Li, Chen Ching Liu - University of Washington: "An Intelligent System for Price Forecasting Accuracy Assessment", 2005 IEEE ISAP Conference, Washington DC, November 2005
- M. Benini, V. Canazza , M. Gallanti - CESI. Davide Poli, Mirko Marracci, Paolo Pelacchi - Università di Pisa: "Electricity Price Forecasting Accuracy Assessment on the Basis of a Mixed Deterministic Probabilistic Approach", 2005 IEEE PowerTech Conference, San Pietroburgo, June 2005
- V. Canazza, A. Gelmini - CESI. M. Maracci, D. Poli - Università di Pisa: "Simple or Complex Bids in the Day Ahead Electricity Market", 2004 Medpower - 4th Mediterranean IEEE Conference, Lemosos, Cipro, 2004
- V. Canazza, A. Gelmini - CESI. M. Maracci, D. Poli - Università di Pisa: "Offerte semplici o complesse nel Mercato dell'energia elettrica del Giorno Prima" , Vol. 81 - Supplemento al Numero 3 Maggio/Giugno 2004 della Rivista L'Energia Elettrica, 2004
- V. Canazza , M. Gallanti, A. Gelmini, D. Lucarella - CESI: "An Hybrid Decision Support System for Bidding in the Day Ahead Electricity Market", 2003 IEEE ISAP Conference, Lemnos, Grecia, 2003

SEMINARS AND CONFERENCES

- Webinar Large Scale Solar - Session Update from Italy (May 2020)
- Webinar PPA: European contractual trends and Italian tax framework (May 2020)
- Webinar COVID-19: Future scenarios and effects on Renewable PPAs (April 2020)
- Conference Solar Finance and Investment Europe (February 2020)
- AEIT Seminar "La trasformazione del sistema elettrico, le nuove esigenze di gestione e gli strumenti per farvi fronte" (Decembre 2019)
- Workshop Mercati energetici e metodi quantitativi: un ponte tra Università e Aziende "Lo scenario del mercato italiano di medio-lungo periodo e il ruolo dei PPA per lo sviluppo delle rinnovabili" (October 2019)
- RE-SOURCE 2019 European platform for corporate renewable energy sourcing "PPA Market in Italy and development trends" (October 2019)
- PPA COMMITTEE "La via Italiana al Renewable PPA" (July 2019- 2020)
- Consultation on the PDS Terna Panelist "Ten-year National Transmission Grid Development Plan" (June 2019)
- Conference "Solar Market Parity Italy" (June 2019)
- Conference "Shaping the Italian PPA Market through Standardisation", promoted by EFET, European federation of energy traders, in collaboration with PAA Committee e RE-Source, European Platform for corporate renewable energy sourcing (June 2019)
- Meeting "E-TALIA Summit - The future on wind and solar" (May 2019)

EDUCATION AND TRAINING

December 2000	Qualification to the exercise of the profession of Engineer University Of Pavia (Italy)
September 2000	M. Sc. Degree in Electrical Engineering, Electric Power System specialization (mark 108/110) Thesis on "Status esteem algorithms based on linear programming" University Of Pavia (Italy)

PERSONAL SKILLS

Mother tongue(s)	Italian				
Other language(s)	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken interaction	Spoken production	
English	C1	C1	B2	B2	C1

French	C1	C1	C1	C1	C1
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Levels: A1/2: Basic user - B1/2: Independent user - C1/2 Proficient user
Common European Framework of Reference for Languages

Computer skills Experience on OS: MS-DOS™, Windows™. Good practise of Microsoft Office™ tools.
Internet

Milan, 11/10/2020

I, the undersigned, certify that to the best of my knowledge, these data correctly describe me, my qualifications and my experience.

I hereby authorize the use of my personal details solely for circulation within the company in relation to the Italian Legislative Decree n° 196/2003

Signed

VIRGINIA CANAZZA

