Lecturers

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Professor Dhaker ABBES was born in 1984. He earned his Electrical Engineering degree from the National Engineering School of Tunis (ENIT) in 2007, followed by a Master's degree from the National Engineering School of Poitiers, France (ENSIP) in 2008. In 2012, he completed a Ph.D. in Electrical Engineering from Poitiers University, specializing in renewable energy, smart grids, and the optimization of complex energy systems.

Currently, he serves as a Full Professor Team leader, holding the *Habilitation à Diriger des Recherches* (HDR), and as Head of the Master's-Engineer Program at HEI Lille, Junia Grande École d'Ingénieurs, France. Additionally, he is a member of the Electrical Networks Team at the L2EP Laboratory and leads the Smart Control Systems (SCS) Research Team at Junia.

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Professor Abdel Aitouche is born in Algiers and graduated from Supelec (France) in 1980 in Control and Servo Machines. He joined the company SONELEC in 1980 and then a radio navigation company for 2 years. He joined the Algerian Institute of Petroleum (IAP) from 1983 to 1987 as a teacher in Automation and Electrotechnics. He obtained his PhD from the University of Nancy I in 1990 in the field of Automatics.

He is researcher at the Research Center in Informatics, Signal and Automatic of Lille belongs to University of Lille since 1997 (CRIStAL UMR 9189). Its research concerns the fields of Automatics and more. particularly robust control, fault tolerant control and diagnostics of nonlinear systems. The applications concern renewable energies (PV, Wind, Biodiesel, Fuel cell, Biomass), Diesel engines, vehicle dynamics, pressurized pipes.

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Dr. Khaled Almaksour is an Assistant Professor in the Smart Systems and Energies department at JUNIA School of Engineering in Lille, France, and a member of the Power System team at the Laboratory of Electrical Engineering and Power Electronics of Lille (L2EP). He obtained two master's degrees in electrical engineering from Nantes University in 2009 and Clermont-Ferrand University in 2010. He earned his Ph.D. in Power Systems from Paris-Sud University (Paris XI) in 2014.

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Norma Anglani graduated (with Hons.) and got her Ph.D. degrees in Electrical Engineering from the University of Pavia, Italy. After graduating she worked for a consulting company in the energy efficiency area. Later, she was a Postdoctoral Fellow with the Energy Analysis Group and with the Energy Efficiency Standards Group, Lawrence Berkeley National Laboratory, Berkeley, CA.Currently, she is associate professor with the Department of Electrical, Computer and Biomedical Eng., University of Pavia (I), where she teaches and does research in the field of energy management, energy planning, modeling of microgrids, decision support systems for microgrids' sizing and efficient compressed air systems. In 2024 she obtained the qualification as full professor.Her main research interests deal with optimal decision support systems to design and run energy models, interlinked with power converters to leverage environmental and economic considerations.

Publications list from Google Scholar : https://scholar.google.com/citations?hl=it&user=p26-ZcUAAAAJ&view_op=list_works

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He has over eight years of experience in modelling and control of HVDC systems and FACTS. His research focuses on advanced control of AC/DC grids integrating renewables, energy storage, and e-mobility, with particular emphasis on converter-driven stability and grid-following and grid-forming inverters, supported by HIL and PHIL experimental validation.

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Anna Pinnarelli (Italy, 1973) received her degree in Management Engineering from the University of Calabria in 1998 and her Ph.D. in Electrotechnics Engineering in 2002 from the Electrical Engineering Department of the University of Naples, Italy. Since 2022 she is Associate Professor at the Mechanical, Energetic and Management Engineering Department (DIMEG) of University of Calabria, Italy The field of her expertise are in FACTS technology, harmonic analysis, electrical system automation and decentralized control, electrical power systems control and management, smart grid, microgrid, nanogrid technologies and demand response, market model and aggregator framework for energy district, Hydrogen-based storage system, Frequency and Power regulation, Transmission and Distribution network , Multi energy hybrid system, Virtual Storage system, Virtual Power Plant, Renewable Energy community, Local energy Market, E-mobility.

Sérgio Filipe Carvalho Ramos got the MSc (2006) and PhD (2015) in Electrical and Computer Engineering from the University of Lisbon- IST Portugal. He is Coordinator Professor at the School of Engineering (ISEP) of the Polytechnic of Porto (IPP). Since 2021, director of the Bachelor Program in Electrical Engineering- Electrical Power Systems at ISEP/IPP, and deputy director of the Doctoral programme in Electrical Engineering and Computational Systems.

He is a researcher in the GECAD research group. His main research interest includes knowledge discovery in databases, including the application of data mining and forecasting techniques, optimization and scheduling of energy resource management, smart buildings, energy communities, and shared PV generation. He participated in a significant number of national and international R&D projects, collaborating with academia and industry partners and contributing with his expertise mainly in data mining application techniques and renewable energy resource optimization.

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Christophe Saudemont is a lecturer and researcher in electrical engineering, a PhD supervisor, and a professor at JUNIA – Engineering School of Lille, as well as at L2EP (Laboratory of Electrical Engineering and Power Electronics) of the University of Lille, where he is a member of the Power Systems research team. He also serves as Team Leader for the "Energy, Electricity and Smart Grids" thematic area at JUNIA.

His scientific research mainly focuses on smart electrical grids, energy management of electrical systems, the integration of renewable energy sources and multi-energy systems, as well as the control and simulation of complex electrical systems. He regularly collaborates on research projects funded by regional, national, and European programs, addressing the challenges of the energy transition and the evolution of electrical networks.

Prof. João Soares is a distinguished senior researcher at GECAD (ISEP/P.Porto), holding a PhD in Electrical and Computer Engineering from UTAD (2017). He has demonstrated exceptional leadership in securing competitive funding for high-impact research initiatives and has cultivated extensive international collaborations with São Paulo State University (UNESP), Centrale Lille, and the Honda Research Institute Europe. His research focuses on electrical energy systems integrating renewable generation and electric vehicles using artificial intelligence.

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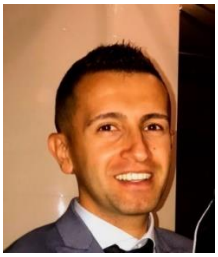

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