

PANCIATICI Patrick (ORCID: 0009-0000-8936-094X)Nationality: French, web site: <https://scholar.google.fr/citations?user=iOzCjmoAAAAJ>

- **CURRENT POSITION**

Senior Scientific Advisor, RTE
(Réseau de Transport
d'Electricité), board of
directors, France

- **EDUCATION**

1984 MsC (Engineer): Supelec,
France

- **INTERNATIONAL RECOGNITION (honors, prizes)**

- Since 2018: Fellow IEEE, IEEE Power & Energy Society, IEEE
- Since 2016: Emerite Member SEE (Société de l'électricité, de l'électronique et des technologies de l'information et de la communication), France

- **SUPERVISION:** industrial Co-supervisor of many past Postdoctoral Fellows and PhD Students (3 on-going)

- **SCIENTIFIC PRODUCTION:** <https://scholar.google.fr/citations?user=iOzCjmoAAAAJ>.

- **5 MOST RELEVANT PAPERS (10 last years), Google Scholar Id: iOzCjmoAAAAJ, h index: 32**

1. Capitanescu, F., Ramos, J. M., Panciatici, P., Kirschen, D., Marcolini, A. M., Platbrood, L., & Wehenkel, L. (2011). State-of-the-art, challenges, and future trends in security constrained optimal power flow. *Electric power systems research*, 81(8), 1731-1741. DOI: 10.1016/j.epr.2011.04.003
2. Babaeinejadsarookolae, S., Birchfield, A., Christie, R. D., Coffrin, C., DeMarco, C., Diao, R., et al. (2019). The power grid library for benchmarking ac optimal power flow algorithms. <https://arxiv.org/abs/1908.02788>
3. Jozs, C., Maeght, J., Panciatici, P., & Gilbert, J. C. (2014). Application of the moment-SOS approach to global optimization of the OPF problem. *IEEE Transactions on Power Systems*, 30(1), 463-470. <https://inria.hal.science/hal-00906483> DOI: [10.1109/TPWRS.2014.2320819](https://doi.org/10.1109/TPWRS.2014.2320819)
4. Fliscounakis, S., Panciatici, P., Capitanescu, F., & Wehenkel, L. (2013). Contingency ranking with respect to overloads in very large power systems taking into account uncertainty, preventive, and corrective actions. *IEEE Transactions on Power Systems*, 28(4), 4909-4917. DOI: [10.1109/TPWRS.2013.2251015](https://doi.org/10.1109/TPWRS.2013.2251015)
5. Panciatici, P., Campi, M. C., Garatti, S., Low, S. H., Molzahn, D. K., Sun, A. X., & Wehenkel, L. (2014, August). Advanced optimization methods for power systems. In *2014 power systems computation conference* (pp. 1-18). IEEE. DOI: 10.1109/PSCC.2014.7038504

- **INSTITUTIONAL RESPONSABILITIES**

- Since 2022: Member of the editorial board of IEEE Power and Energy magazine
- Since 2011: Member of PSCC (Power Systems Computation Conference) Council
- Since 2003: Member of IEEE Power & Energy Society, IEEE; Member of SEE, France; Member of CIGRE (International Council on Large Electric Systems)

- **COLLABORATIONS:**

- Louis Wehenkel, "Advanced optimization and Machine Learning for Power Systems", Institut Montefiore, University of Liège, Belgium
- Sorin Olaru, "Advanced controls for Power Systems", CNRS Laboratory "Signals and Systems" and CentraleSupélec, Paris-Saclay University, France
- Mani VM Venkatasubramanian, "Small signal stability of Power Systems", School of Electrical Engineering and Computer Science, Washington State University, USA
- Saverio Bolognani, "Online Feedback Optimization for Transmission Grid Operation", Automatic Control Laboratory, ETH Zurich, Switzerland
- Alessandro Abate, "Analysis, verification, and optimal control of heterogeneous and complex dynamical models: Applications to Power Systems", Oxford Control & Verification group, Department of Computer Science, University of Oxford, UK
- Ram Rajagopal, "Large-scale monitoring, data analytics and stochastic control for power networks", Stanford Sustainable Systems Lab (S3L), Stanford, USA
- Simon Tindemans, "Uncertainty and risk management for power systems", Electrical Engineering, Mathematics and Computer Science, Intelligent Electrical Power Grids, Delft University of Technology, Netherlands

- **TEACHING ACTIVITIES (current or planned):** Speaker in the annual seminars "Power System: Cyberphysical System of Systems, Master ATSI, "Control, Signal and Image Processing", University Paris-Saclay, France; annual seminar "Systems Monitoring And Prognostics For Risk Management", Resilience of the French power system: from historical defense plans to future needs, CentraleSupélec, France