



Dr. Ing. **Slim TNANI** is Associate Professor at Poitiers University, University Institute of Technology since 1999 ; Member of the Automatic Control and Industrial Data Processing Laboratory (LIAS) - Poitiers Graduate School of Engineering. Research topics: control of power Converters, Renewable energy. Optimal energy management in smart grids. Control of multi-source systems. Management of electrochemical and hydraulic storage systems. Electric vehicle and its environment.

<http://www.lias-lab.fr/members/slimtnani>

Leader in France of a H2020 project-ERANETMED-Edgewise.2016-2020.

<http://www.edgewise.ubi.pt/index.php/en/>

Recent publications:

- Faycal BENSMAINE, **Slim TNANI**, Gérard CHAMPENOIS, Olivier BACHELIER, Emile MOUNI. *Hybrid synchronous generator output voltage control with energy storage*, **IET Electric Power Applications**, Volume 12, Issue 7, August 2018, Pages : 991-998, [DOI: 10.1049/iet-epa.2017.0748](https://doi.org/10.1049/iet-epa.2017.0748)
- Monia Ben KHADER BOUZID, Gérard CHAMPENOIS, **Slim TNANI** *Reliable stator fault detection based on the induction motor negative sequence current compensation*, **International Journal of Electrical Power & Energy Systems** Volume 95, February **2018**, Pages 490–498, <https://doi.org/10.1016/j.ijepes.2017.09.008>
- Monia Ben KHADER BOUZID, Gérard CHAMPENOIS, Ahmed MAALOU, **Slim TNANI** *Efficient Simplified Physical Faulty Model of a Permanent Magnet Synchronous Generator Dedicated to the Stator Fault Diagnosis Part I: Faulty Model Conception*, **IEEE Transactions on Industry Applications**, Year: **2017**, Volume: 53, Issue: 3, Pages: 2752 – 2761, [DOI: 10.1109/TIA.2017.2661846](https://doi.org/10.1109/TIA.2017.2661846)
- Sabri MANSOURI - **Slim TNANI** - Olivier BACHELIER , *A multi-function hybrid inverter for PV system applications*, IEEE 16th International Conference Of Industrial Informatics Indin2018, 18-20 July 2018 Porto-Portugal
- Sabri MANSOURI - **Slim TNANI** - Olivier BACHELIER, *Modelling and control of a new hybrid compensator for grid power fluctuations* , Proceedings of the IEEE International Conference on Industrial Technology, 20-22 February 2018, Lyon-France
- Habib CHERIF - **Slim TNANI** – Jamel BELHAJ – Ana Rita SILVA, *Optimal sizing and technical evaluation of energy and water system based on micro-hydric solar and wind sources*, IEEE 16th International Conference Of Industrial Informatics Indin2018, 18-20 July 2018 Porto-Portugal