

Upper Rhine Cluster for Sustainability Research

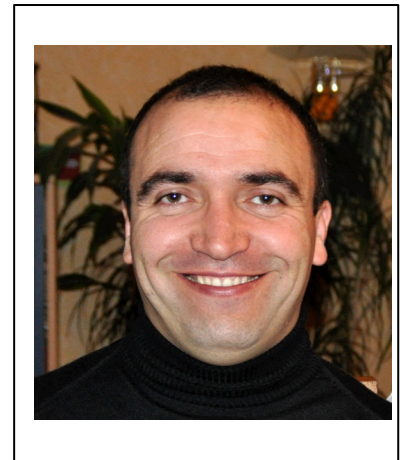
Researchers Profil

Name, Position & Affiliation

Djaffar OULD ABDESLAM

Associate Professor with Habilitation

Laboratoire MIPS, University of Haute Alsace



Expertise in relation to the topics of the URCforSR (include max. 3 related and recent publications)

I develop identification algorithms to detect disturbances and electrical appliances. My applications: Smart home, smart grid, energy efficiency, Smart metering, Renewable energy, Battery Energy Storage System.

[1] **D. Ould Abdeslam**, P. Wira, J. Mercklé, D. Flieller and Y.-A. Chapuis, "A Unified Artificial Neural Network Architecture for Active Power Filters", *IEEE Tran. on Ind. Electronics*, 54(1), p. 61 (2007)

[2] A. Moukadem, Z. Bouguila, **D. Ould Abdeslam**, A. Dieterlen, "A new optimized Stockwell Transform applied on synthetic and real non-stationary signals", *Digital Signal Processing*, 46, p. 226 (2015)

[3] L. Yousfi, **D. Ould Abdeslam**, T. Bouthiba, N.-K. Nguyen, and J. Mercklé, "Adaline for online symmetrical components and phase angles identification in transmission lines," *IEEE Tran. Power Delivery*, 27(3), p. 1134 (2012)

Special Interests in the topics of the URCforSR

Energy-efficient buildings and decentralized production of renewable energy.

What you are searching for regarding the cooperation within the URCforSR

Create a network of competences and new research projects between the MIPS laboratory (University of Haute Alsace) and the laboratories of the Upper Rhine Cluster in the field of Energy.