



International Conference on Sustainable Mobility Applications, Renewables and Technology (SMART2015), Kuwait, November 23-25, 2015

Call for Contributions to the Special Session on Linear Machine Technology

by **Imen Abdennadher (University of Sfax, Tunisia)**

Thematic: Linear machines are currently given an increasing attention in many industrial fields covering both drive and generator applications. Indeed, beyond the most popular application of linear machines in magnetic levitation based propulsion systems of fast trains, linear machines represent viable candidates in wave energy conversion systems, free piston engines for series hybrid propulsion systems, actuators in more electric aircrafts, domestic appliances, and so on.

Accounting for the increasing interest in linear machines, the design and control of many topologies, including induction, synchronous reluctance, PM excited, and switched flux are being re-thought in an attempt to reach better capabilities fulfilling the requirements of the involved applications.

The main objective of this special session is to bring the ideas of the worldwide research community into a common platform, to present the latest advances and developments in design, sizing, optimization, modeling, and control of linear machines dedicated to sustainable applications. Topics of interest include, but are not limited to:

- Electromagnetic design, sizing and optimization
- Modeling and simulation
- Thermal modelling and analysis
- Vibro-acoustic modelling and analysis
- Control strategies synthesis and implementation
- Diagnostic and reconfiguration under faulty operation
- Special linear machines

Submission: Prospective authors are invited to submit an extended abstract of two to three A4 pages, written in English. There is no specific template. Abstracts should be submitted directly to the special session organizer: imen.abdennadher@enis.rnu.tn

Important Dates:	July 31, 2015	Abstract submission
	August 21, 2015	Provisional acceptance
	September 15, 2015	Full paper submission
	September 25, 2015	Final acceptance