



Workshop on Electric and Hybrid Automotive Technologies (WAT2018)

U N I K A S S E L
V E R S I T Ä T

Co-located with the



Symposium on Renewable Energy and Energy Efficiency
in the Middle East and North Africa Region (REEE-MENA2018)



December First, 2018, CITEC Conference Room, ENIS

organized by the Laboratory on Renewable Energies and Electric Vehicles (RELEV)

Aims and Scope: The WAT2018 will enable specialists from academia and industry to exchange their expertise in the fields of sustainable energy and mobility. It will be an opportunity for young researchers to deepen their knowledge and exchange ideas.

Topics:

- Energy efficiency,
- Renewable energy,
- Smart city,
- Electric and hybrid automotive technologies,
- Design of rotating and linear actuators.

Sponsors:

- ENIS,
- DAAD,
- Association Tunisienne des Sciences Appliquées et de Technologie (ATSAT),
- Société Tunisienne de l'Electricité et du Gaz (STEG).

Organizing committee:

Chair: Dr. Amal Souissi
RELEV, ENIS

Members:

Prof. Imen Abdennadher
RELEV, ENIS

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RELEV, ENIS

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Program

09:15-10:00	Opening and Welcome Speeches Prof. Dahlhaus and Prof. Masmoudi
10:00-10:30	Plenary 1: <i>Bizerte Smart City: Electricity Demand Forecast and Optimal Design of a Hybrid Solar-Wind System in a Grid-Connected Microgrid</i> M.Sc. Oussama Saad, Ramboll, Germany
10:30-11:00	Plenary 2: <i>On the Potentialities of Multiphase Fractional-Slot Permanent Magnet Machines to Satisfy the Fault-tolerance Requirements of Key Sustainable Applications</i> Prof. Imen Abdennadher, ENIS, University of Sfax, Tunisia
11:00	Coffee break
11:30-12:00	Plenary 3: <i>Renewable Energies in STEG: Present and Future Projects</i> Eng. Adnen Ayadi
12:00-12:30	Plenary 4: <i>Industrial Energy Consumption in Maghreb Countries: The Way Ahead for Energy Efficiency and Renewable Energies</i> M.Sc. Martin Haagen, Industrial Solar GmbH, Germany
12:30-13:00	Plenary 5: <i>Business Opportunities in the Energy Sector in Morocco</i> Dr. Abdelbari Redouane, École Nationale Supérieure des Mines de Rabat, Morocco
13:30	Lunch
15:00-15:30	Plenary 6: <i>Linear Synchronous Machines: Application to Sustainable Systems</i> Dr. Amal Souissi, ENIS, University of Sfax, Tunisia
15:30-16:00	Plenary 7: <i>Integration of an Adsorption Machine into the Process of Olive Mills Solid Wastes Management</i> M.Sc. Yassine Masmoudi, University of Lorraine, France
16:00	Coffee break
16:30-17:00	Plenary 8: <i>Sustainable Mobility: Past, Present, and Outlooks</i> Prof. Ahmed Masmoudi, ENIS, University of Sfax, Tunisia
17:00-17:45	Open discussion

