

Ludmila GAUTIER

EIFER

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PROFESSIONAL EXPERIENCE

Since Nov. 2008

European Institute of Energy Research - Karlsruhe (Germany)

Group leader « Distributed Energy » - 24 people

- *Topics around Fuel cells (low and high temperature) and High Temperature Electrolysis* : from material development to cell testing and system integration; degradation mechanisms and diagnostic methods; performance testing
- *Topics around fuel-based distributed generation* : from mCHP systems to CHP applications (power range < 1 MW), fossil or biomass fuels ; technological assessment in laboratory or field testing, hydraulic integration and control strategies, stakeholder and market analysis, techno-economical analysis

March 2002-Oct 2008

European Institute of Energy Research - Karlsruhe (Germany)

Project leader « Fuel cell based mCHP systems »

- Identify and solve technological bottlenecks on fuel cell systems (PEMFC and SOFC) on the critical path for mCHP application
- Assess the environmental and economical benefits of mCHP systems for residential application in Europe
- Participation in public funded projects (FP5, FP6, Réseau PACo, ANR)

March 2000 - Feb. 2002

EDF R&D- Laboratory of Electric Devices- Moret sur Loing (France)

Group « Materials for Electrotechnics »

Research engineer

- Optimise qualification procedures of cable materials and develop lifetime prediction methods
- Develop ageing methods for fuel cell polymer membranes

EDUCATION

1996

Chemical Engineer Degree- INSA Rouen
Master Degree - Polymer chemistry - Paris VI

1999

PhD in Materials science - ENSAM Paris

Languages :

English : fluent

German : fluent