



R&D ENGINEER for Motor Drive Technology

Company: MITSUBISHI ELECTRIC R&D CENTRE EUROPE
1, allée de Beaulieu, CS 10806, 35708 Rennes Cedex 7, France
Web site : <http://www.mitsubishielectric-rce.eu/>

Duration: undetermined term period (CDI), starting as soon as possible

Reference: MERCEFRMDTEE11

Context and description:

MITSUBISHI ELECTRIC is one of the leading manufacturers of power electronics related products such as power devices, inverters for motor drives. As MITSUBISHI ELECTRIC Group's subsidiary, MITSUBISHI ELECTRIC R&D CENTRE EUROPE (MERCE) includes Energy and Environment (E&E) technology division specialized in power electronics and its application to renewable energy systems and motor drive systems.

MERCE is located in Rennes (France – Bretagne [35]) and is looking for a R&D engineer for motor drive technology who will have the following duties and responsibilities:

- Research and development of AC motor control method to realize high efficiency motor drive system
- Development of simulation tool or program for AC motor drive system composed of an AC motor and a power converter to drive the motor, which can analyze efficiency of the system with high accuracy
- Development of experimental set-up and verification by experiment

Requirements:

- At least 4 years of experience within the power electronics field through a public or private R&D laboratory (industrial experience is a plus)
- Expertise in motor control technology
- Basic knowledge of motor design technology such as FEM analysis
- Familiarity with simulation tools such as PSIM, MATLAB/Simulink.

Essential qualifications:

- PhD degree on any subject linked to AC motor or AC motor control is desirable

Personal Profile:

- Ability to work across multiple tasks methodically and efficiently and meet committed timescales
- Motivated to work in dynamic environment and adaptable to changes in priority
- Excellent communication and interpersonal skills: ability on sharing information with team players (must show evidences of team-working)
- Fluent English
- Availability for international business trips

Contact:

Magali BRANCHEREAU (Human Resources), m.branchereau@fr.merce.mee.com