

## Florent Liffra

75 rue de Patay

75013 PARIS

Telephone : +33 6 68 97 48 45

Florent.liffra@ingenieurs-supelec.org

Age : 27



## Power electronics engineer

### Employment

2007-2008 **Martek Power** (Brétigny sur Orge), SME (200 employees) specialized in power conversion, R&D engineer :

**Design of a 100W Power Factor Correction module for aeronautics applications :**

Electronics : Design, simulations, prototyping.

Electromagnetic compatibility : Filter design, validation of conducted RF emission according to the aeronautics norms.

**Design of a 25kW converter for electrical vehicle.**

2004-2007 **General Electric HealthCare** (Buc), X-ray generator service, R&D engineer :

**Power and high voltage leader for a 150kV-32kW generator platform.**

Power electronics and high voltage : Architecture design, simulations, components choice, prototyping and validations.

Design of a high voltage measurement device, experimentations in Faraday cage, **deposit of two patents.**

Manufacturing support : Start-up of system prototypes (surgical mobile) in Milwaukee and Salt Lake City. Set-up of the generator manufacturing line in Bangalore (India).

3 mois, 2004 **Batscap**, SME developing Supercapacitors and Batteries, internship :

Study on electronic balancing systems for supercapacitors.

2 mois, 2003 **FIMEL**, SME specialized in high precision dosimetry for medical applications, internship :

Noise reduction on an acquisition chain through digital filtering (C++).

### Education

2001-2004 **Supélec**, engineering school, master degree in electrical engineering.

1999 Scientific Baccalauréat – industrial technology option.

### Languages and computer skills

French : mother tongue.

English : fluent (TOEIC 865).

German : basis.

Program language : C, C++, Matlab.

Simulation tools : Spice, Matlab / Simulink.

Six Sigma quality methodology : Green Belt certification.

### Interests

Music (violin and piano practice).