

## Website update – ESR-ER presentation template

### Marie-Curie Fellow

Name: Kato

First Name: Masashi

Age: 33

Nationality: Japan

Position (ER/ESR): ER

Host institution: Vilnius university



Contract duration: from 19, Aug. to 2, Oct. 2008 (the fellow plan to visit in 2009 again)

### Short Education Background (10 lines max.)

Mar. 1998 Bachelor (Engineering) from Nagoya Institute of Technology

Mar. 2000 Master (Engineering) from Nagoya Institute of Technology

Mar. 2003 Ph. D (Engineering) from Nagoya Institute of Technology

Apr. 2003 Research Associate of Nagoya Institute of Technology

Apr. 2008 Associate Professor of Nagoya Institute of Technology

### Research focus and main activities carried out in the scope of the project (10 lines max.)

Main activity is optical diagnosis for 3C-SiC using four wave mixing, free carrier absorption, and photoluminescence techniques. Electrical characterization by microwave photoconductivity decay and deep level transient spectroscopy methods is also performed in Japan. The results from optical diagnosis and electrical characterization are combined to analyse properties of 3C-SiC.

### Publications (please specify when the publication has been issued in the scope of the MANSiC project)

In preparation abstract for ICSCRM 2009 and paper on carrier transport and recombination peculiarities in bulk 3C SiC on Si