MEMC ELECTRONIC MATERIALS SPA – a Global Wafers Company – proposes a stage:

Title:  Low resistivity P-type silicon substrate optimization for high-thickness EPI products

Reporting to:  Crystal Technology Manager

Location:  Merano Italy

_______________________________________________________________________

Title of the Stage:

Low resistivity P-type silicon substrate optimization for high-thickness EPI products

The purpose of this work is to study the crystallographic defects of a silicon substrate that have an impact on the quality of the epitaxial layer in the wafering process. The final goal is to identify the optimum process conditions and quality characteristics that the silicon crystal must have in order to achieve the best epi layer quality. In details, the work consists in a bibliographic research, test planning, sample collection and results analysis.

The work must be concluded with a report (in English).

To start this work, it is necessary to sign an NDA (non-disclosure agreement).

Possibility of thesis.

Expected duration is 3 to 6 months.

Personal and Interpersonal Skill required:

• Positive attitude in problem solving;
• Capable of cooperating with all site functions to bring the projects to success;
• Good communication and writing skills;
• Customer and Results oriented;
• Strong motivation;

Education/Experience:

• University degree or student in physics, chemistry, materials science or similar

Technical skills:

• Good data analysis capability;
• Knowledge of common word processors and electronic spreadsheets (Word, Excel);
• Knowledge of basic statistical tools;
Language skills:

Must have good written and verbal communication skills in English. Working Language: Italian

Logistic Requirements:

Located near Merano or available to transfer near Merano for the stage period.

Please reply to this job opportunity using UNITN website (see Piattaforma Esse3 Stage e Lavoro) or send a CV to:

MEMC Electronic Materials
Human Resources Department
Via Nazionale, 59
39012 MERANO (BZ)
Email: adalpiaz@gw-semi.com
Phone: 0473 333117