

### BEST UNIVERSITY AND COLLEGE FINAL-YEAR THESES

Very keen to encourage high-quality research, the Belgian Nuclear Research Centre grants several awards. SCK•CEN attributes yearly prizes of respectively 1 500 and 1 000 € to the best university and the best college final-year theses carried out in its laboratories.

The 2005-2006 award for the best university theses was granted to:

**NICOLAS CASTIN**

Titel Thesis: Construction of a hybrid Artificial Neural Network - Fuzzy Logic system to perform Atomistic Kinetic Monte Carlo simulations in iron-copper alloys.

BNEN

Mentor: Lorenzo Malerba

Promotor: Eric van Walle

### SCK•CEN'S SCIENTIFIC AWARD - PROFESSOR ROGER E. VAN GEEN

SCK•CEN allocates every two years 12 500 € to the best original work in nuclear research. The selection is performed by the Belgian National Fund for Scientific Research (NFWO/FNRS).

For details see <http://www.sckcen.be>.

### PHD CANDIDATES & POST-DOCTORAL RESEARCHERS - SELECTION 2005

Institute	Name	Research Topic
<b>PHD</b>		
ANS	Marijke Jacobs	Radiation-induced structural degradation in silica-metal interface: from physics to practical applications
EHS	Louis Vandebroek	Comparison between chemical extraction and a novel biotest to categorize soil-plant systems in terms of vulnerability to radiocesium transfer: Towards a standardized indicator of ecosystem sensitivity to radioactive pollutants.
EHS	Katelijne Verhiest	Development of dispersion-strengthened steels for high temperature applications using modern thermochemical processing techniques
<b>POST DOCTORAL</b>		
NMS	Dimitri Terentyev	Interaction between dislocations and radiation induced defects in high-Cr iron based alloys.
EHS	Hanane Derradji	Defining the genetic component of thyroid cancer risk at low doses
EHS	Rob Van Houdt	Intergenetic plasmid and its role in microbial evolution and adaptation in confined environment.

ANS – Advanced Nuclear Systems

EHS – Environment, Health and Safety

NMS – Nuclear Materials Science