

Curriculum vitae

Martien den Hertog

Personal information

Date and place of birth

Nationality

Sex

Address

- December 29, 1980, Amsterdam, the Netherlands
 - Dutch
 - Female
- 6 Rue Lieutenant Chanaron
Tel. 0033(0)688544210
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Education

2006-present

- PhD in the program "Chemtronics" (Marie Curie EarlyStage Training) at CEA Grenoble (INAC/SP2M/LEMMA)
Topic: Transmission Electron Microscopy of silicon nanowires.

Publications:

*den Hertog, M.I.; Rouviere, J.L.; Dhalluin, F.; Gentile, P.; Ferret, P.; Baron, T. "Control of Gold Surface Diffusion on Si Nanowires" *Nanoletters* **8** 1544 (2008)

*den Hertog, M.I.; Rouviere, J.L.; Dhalluin, F.; Gentile, P.; Ferret, P.; Ternon, C.; Baron, T. "Gold Catalyzed Silicon Nanowires: Defects in the wires and Gold on the Wires". Proceeding MSM 2007 Cambridge

*Dhalluin, F.; Desré, P.J.; den Hertog, M.I.; Rouvière, J.L.; Ferret, P.; Gentil, P.; Baron, T. "Critical condition for growth of silicon nanowires" *J. Appl. Phys.*, **102** 094906 (2007)

2003- 2005

- Master programme Chemistry and Physics, Utrecht University,
Major subjects:

- Topics in nano-science
- Solids and surfaces
- Thin films
- Quantum chemistry and spectroscopy
- Photon physics

Master research projects & theses:

- Measuring the temperature of a Rb MOT using an oscillating magnetic field (five months)
- Pulsed CO₂ laser printing and smoothing of Si quantum dot solids (seven months)

Minor:

- Fundamentals of business and economics

2000-2003

- Bachelor programme Chemistry, Utrecht University
Bachelor thesis

Cooperative quantumsplitting In the (Yb_xY_{0.99-x})₂O₃:Tb1% system.

- Alpine Climbing instructor education

September 2001-

November 2001

*September 1999 –
december 1999*

- Intensive Spanish languages courses in Salamanca (Collegio de España)

1994-1999

- Ignatius Gymnasium, Amsterdam

Major subjects: Physics, Chemistry, Mathematics, German, English, Dutch, Greek, History

Work experience and extra curricular activities

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| <i>September 2004 - present</i> | <ul style="list-style-type: none">• Member of the chemistry faculty board |
| <i>September 2003 - present</i> | <ul style="list-style-type: none">• Head of the committee of (climbing) education of the Utrecht Student Alpine Club (USAC). Design and implementation of a new education system allowing to educate more people with the same amount of resources (instructors and time). |
| <i>November 2001 - present</i> | <ul style="list-style-type: none">• Climbing instructor on climbing weekends organised by the Utrecht Student Alpine Club |
| <i>September 2003 - March 2004</i> | <ul style="list-style-type: none">• Employee of Utrecht Chemistry shop: an organisation to advise consumers and non-profit organisations on chemistry related topics. |
| <i>November 2002 - November 2003</i> | <ul style="list-style-type: none">• Member of the board of the USAC. Achievements: sorting out the finances of the Club and generating an effective and steady growth of members of 40 %. |
| <i>March 2002-November 2002</i> | <ul style="list-style-type: none">• Helping older people with those housing task they can no longer perform |
| <i>September 2001-January 2002</i> | <ul style="list-style-type: none">• Waitress for "Mise en Place" |
| <i>November 2000 - November 2002</i> | <ul style="list-style-type: none">• Member of the introduction committee of the USAC. |
| <i>January 2000-May 2000</i> | <ul style="list-style-type: none">• Secretary |

Skills

Languages

- Dutch: native tongue
- English: very good
- Spanish: good
- German: moderate
- French: very good

Computer skills

Driving license

- PC: MS Office, Internet, Mathematica, Origin, Femlab, Gnuplot
- BE

Hobbies

- Climbing, skiing, tourskiing, mountaineering, sailing, skating, horseback riding, playing drums & violin, going to concerts.

References

- | | |
|---|--|
| <ul style="list-style-type: none">• Prof. dr. Andries Meijerink (bachelor thesis) | <ul style="list-style-type: none">• A.Meijerink@phys.uu.nl |
| <ul style="list-style-type: none">• Prof. Dr. Albert Polman (master thesis) | <ul style="list-style-type: none">• polman@amolf.nl |
| <ul style="list-style-type: none">• Prof. Dr. Peter van der Straten (master thesis) | <ul style="list-style-type: none">• p.vanderstraten@phys.uu.nl |