

PERSONAL INFORMATION

Dr. Ir. Mathieu Odijk
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Tel.: +316-4894782
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Born: 23 june 1981, Enkhuzen

WORK EXPERIENCE

- 3/2011 till present: **Post-doctoral researcher**
Employer:
University of Twente – BIOS the Lab-on-a-Chip group
Research topics:
Development of a miniaturized dialysis probe for the study of migraine attacks in the brain of mice.
Novel electrodes and structures for capacitive deionization of water.
Teaching:
2 lectures on the topic of electrochemistry and microreactors in the Lab on a Chip master course (121112).
2 lectures on the topic of damped oscillators and control engineering in the bachelor course IEEE (121158).
Other activities involve assisting with the development of a module 'Lab on Chip' for the high school course NLT.
- 2/2007 to 3/2011: **PhD student – Development of a miniaturized electrochemical cell for drug screening and proteomics applications**
Employer:
University of Twente – BIOS the Lab-on-a-Chip group
Other activities involved teaching and guiding students in their bachelor or master thesis projects.
- 11/2000 to 2/2007: **Light and sound engineer**
Companies: De Enschedeploeg & Student Union Enterprises.
- 10/2003 to 2/2007: **Freelance programming jobs**
Various employers; stichting Educare Enschede, Student Union Enschede & stichting Fazilet Dordrecht.
Programming of various webbased administrative programs.

Education

08/1999 to 02/2007: Master Electrical Engineering

University of Twente, Enschede.

- *Bachelor assignment with the topic of localizing sound sources using a so-called microflown.*
- *Minor teaching at high school level, with a speciality towards physics.*
- *Internship at IMEC (Belgium) with the topic of organic multi-junction solar cells.*
- *Major: Biomedical signals and systems (BSS).*
- *Master assignment with the topic of the design and fabrication of a novel redox cycling sensor.*

08/1993 to 06/1999: VWO diploma (high school)

Openbare Scholengemeenschap, Enkhuizen.

Courses: Physics, Chemistry, Mathematics, Economics, History, Dutch, English.

Other courses and diplomas

- *Drivers license A (motor) and B (car).*

Languages

- *Dutch and English: good.*
- *French and German: moderate.*

Computer skills

Fully familiar with the following programs:

- *Matlab.*
- *Maple.*
- *Comsol Multiphysics.*
- *Programming in Java, C++ and PHP.*
- *Experienced Linux user.*

Memberships

09/2001 t/m 06/2003: Stichting de Drienerlose Pop Organisatie

In function as secretary, chairman and webmaster respectively.

07/2000 t/m 06/2001: Activity committee SCALA

In function as treasurer of the activity committee of study organization for electrical engineers.

08/1999 t/m 07/2000: Teaching evaluation committee

Member of the evaluation committee for the electrical engineering study

Other experiences

- *Member of the organization of a 3-day comedy festival Laughing Matters.*
- *Member of the organization for the party of the largest student marathon Batavierenrace in Enschede.*