

Peter Plattner

Curriculum Vitæ

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Education

2018–present **PhD**, *CERN and University of Innsbruck*, PhD thesis at the MIRACLS experiment at ISOLDE, CERN.

2009–2015 **Mag. rer. Nat.**, *Faculty of Mathematics, Computer Science and Physics*, University of Innsbruck.

Teacher Training Programme in Physics and Mathematics

2003–2008 **Technical College (HTL)**, *Industrial Engineering*, Innsbruck.

Master thesis

title *Radiation Damage on the Molecular Level exemplified by Hypoxanthine*

supervisor Univ.Prof.Mag.Dr. Paul Scheier

description Knowledge of radioactivity and its effect on human genomes is crucial to our understanding of mutation and evolution. The conducted experiment aims to replicate and document the effects of low-energy electron radiation on hypoxanthine - which bears resemblance to adenine and guanine. Furthermore will this thesis analyze student's interest for the subject matter, current handling of radioactivity in physics textbooks and provide examples of use for lessons.

Experience

Vocational

2015–2018 **Teacher**, *Technical College (HTL) and BORG*, Innsbruck.

Taught various subjects including Physics, Applied Mathematics, Embedded Software and Network Technology.

Detailed achievements:

- Held physics lab courses for advanced students of 10th grade
- Directed computer science labs on network technology for 11th grade learners
- Participated in CERN's National Teachers Programme
- Taught software and hardware concepts used in embedded systems development
- Completed the following CCNA-Routing and Switching certificates:
 - CCNA R&S: Introduction to Networks
 - CCNA R&S: Routing and Switching Essentials

Miscellaneous

2011–2012 **Student Assistant**, *University of Innsbruck*.

Tutored lower grade students in the subject Mathematical Methods in Physics 1

July 2011 **Lab Intern**, *Institute for Experimental Physics, University of Innsbruck*.
Three week internship with the Quantum Optics and Spectroscopy Group of o.Univ.-Prof.
Dr. Rainer Blatt

— Languages

german **C2** *Native Speaker*
english **B2**

— Computer skills

programming Python, Java, C, MySQL statistics R, Origin
embedded Programming, development with network CCNA R&S
systems Arduino technology
cad AutoCAD, ProEngineer, Creo
Parametric

— Current Projects

— Interests

physics High voltage and high frequency electronics, ion physics, atomic mass measurements
electronics Home automation with Arduino
programming Solving mathematical/computer programming problems on projecteuler.net
reading Fantasy and science fiction
sports Running, hiking and cycling