

Benedikt Klocker

Curriculum Vitae

Vienna University of Technology
Institute of Computer Graphics and Algorithms 186/1
Algorithms and Complexity Group
Favoritenstraße 9–11
1070 Wien, Austria
☎ +43(1)58801 - 186123
✉ klocker@ac.tuwien.ac.at
🌐 www.ac.tuwien.ac.at/people/klocker

Personal

Name Benedikt Klocker
D.O.B. February 28, 1990
Birthplace Lustenau
Nationality Austria

Education

since 2015 **PhD in Computer Science**, *Vienna University of Technology*.
Topic: Algorithmic approaches for finding unique maximal cycles in planar graphs
Supervisor: Günther Raidl

since 2012 **Master of Science**, *Vienna University of Technology*.
Master programme Technical Mathematics

2012–2015 **Master of Science**, *Vienna University of Technology*, GPA – 1.02.
Master programme Computational Intelligence

2014 **Exchange Semester**, *University of Illinois, Urbana–Champaign, USA*.
As part of the master programme Technical Mathematics

2009–2012 **Bachelor of Science**, *Vienna University of Technology*, GPA – 1.0.
Bachelor programme Mathematics in Computer Science

2004–2008 **Secondary education second stage**, *BORG Dornbirn Schoren*.

2000–2004 **Secondary education first stage**, *Bundesgymnasium Dornbirn*.

Master Thesis

Title *Optimization Approaches for Recreational Bicycle Tour Planning*
Supervisor Günther Raidl
Description A mathematical model for finding nice recreational bicycle tours gets formalized as an optimization problem and three mixed integer program approaches get developed and tested.

Bachelor Thesis

Title *Abstrakte harmonische Analysis auf lokalkompakten abelschen Gruppen* (Abstract harmonic analysis on locally compact abelian groups)

Supervisor Martin Blümlinger

Description An introduction to representation theory on locally compact groups and Fourier transformation on locally compact abelian groups.

Academic Experience

2016 **Lecturer in Heuristic Optimization Techniques**, *Vienna University of Technology*.

since 2015 **FWF-Project Assistant**, *Vienna University of Technology*.

Project Assistant for the project “Cycles on Graphs and Properties of Graphs with Special Cycle Structure” (FWF P27615) lead by Herbert Fleischner

Current research topic: Algorithms for finding uniquely hamiltonian graphs

Since 2016: Project assistant for an additional project in the field of packing and cutting in cooperation with Lodestar GmbH

2012 – 2015 **Tutor in Algorithms and Datastructures**, *Vienna University of Technology*.

2014 **Tutor in Functional Programming**, *Vienna University of Technology*.

2012 – 2014 **Tutor in Algebra and Discrete Mathematics**, *Vienna University of Technology*.

2012 – 2013 **Tutor in Introduction to Programming**, *Vienna University of Technology*.

Other Work Experience

2012 and **Summer Intern**, *V-Research GmbH*, Dornbirn.

2013 Developing software in the area of technical logistics (in a team)

2008-2009 **Compulsory civilian service**, *Rotes Kreuz - Landesverband Vorarlberg*, Bregenz.

Working as paramedic

2008 **Summer Intern**, *OMICRON electronics GmbH*, Klaus.

Developing a prototype of a graphical user interface for a new product (in a team)

Awards

2015 “Diplomarbeitspreis der Stadt Wien” (Diploma award of the city of Vienna)

2010-2013 Excellence scholarships

2010 First place in the programming contest of the course Introduction to Programming

2000 Runner-up national chess champion in the under-10 category

Talks

2016 **Finding Uniquely Hamiltonian Graphs of Minimum Degree Three with Small Crossing Numbers**, *HM 2016*, Plymouth, UK.

2015 **Optimization Approaches for Recreational Bicycle Tour Planning**, *OR 2015*, Vienna.

Publications

2016 Klocker, Benedikt, Herbert Fleischner, and Günther R. Raidl. “Finding Uniquely Hamiltonian Graphs of Minimum Degree Three with Small Crossing Numbers”. In: *International Workshop on Hybrid Metaheuristics*. Springer, pp. 1–16.

2015 Klocker, Benedikt. "Optimization Approaches for Recreational Bicycle Tour Planning". supervised by G. Raidl and M. Prandstetter. Master's thesis. TU Wien, Institute of Computer Graphics and Algorithms.