

Felix WINTER

Curriculum Vitae

PERSONAL DATA

PLACE AND DATE OF BIRTH: Vienna, 29 July 1990
EMAIL: winter@dbai.tuwien.ac.at

EDUCATION

since DECEMBER 2017	PhD student at Vienna University of Technology, Austria Preliminary Thesis Title: <i>An Algorithmic Solution Framework for Production Planning and Scheduling Problems</i>
March 2013 - OCTOBER 2016	Master of Science in SOFTWARE ENGINEERING & INTERNET COMPUTING, Technical University Vienna Thesis: <i>MaxSAT Modeling and Heuristic Solution Methods for the Employee Scheduling Problem</i> pass with distinction
SEPTEMBER 2012 - JULY 2013	Preliminary studies for Popular Music and Jazz Guitar, Franz Schubert Konservatorium Vienna
SEPTEMBER 2008 - MARCH 2013	Bachelor of Science in SOFTWARE & INFORMATION ENGINEERING, Technical University Vienna pass with distinction

WORK EXPERIENCE

since DECEMBER 2017	Project assistant in the <i>Christian Doppler Laboratory for Artificial Intelligence and Optimization for Planning and Scheduling</i> , TECHNICAL UNIVERSITY VIENNA
OCTOBER 2016 - NOVEMBER 2017	Consultant and Software Developer for <i>Automated Planning and Scheduling Software</i> , MCP GMBH, VIENNA
AUGUST 2015 - OCTOBER 2016	Project assistant in the research project <i>Artificial Intelligence in Employee Scheduling</i> , TECHNICAL UNIVERSITY VIENNA
MARCH 2014 - JANUARY 2016	Tutor for <i>Distributed System Technologies and Advanced Internet Security</i> , TECHNICAL UNIVERSITY VIENNA
OCTOBER 2011 - FEBRUARY 2012	Junior Data Warehouse Consultant, PMONE GMBH, Vienna
JULI-SEPTEMBER 2009	Software developer, xS+S,*X SOFTWARE UND SYSTEME, Vienna

LANGUAGES

ENGLISH: Fluent
GERMAN: Mother Language

PUBLICATIONS

Felix Winter*, Nysret Musliu.

Constraint Based Modeling for Scheduling Paint Shops in the Automotive Supply Industry.

Submitted to ACM Transactions on Intelligent Systems and Technology.

Felix Winter*, Emir Demirovic, Nysret Musliu and Christoph Mrkvicka.

Solution Approaches for an Automotive Paint Shop Scheduling Problem.

29th International Conference on Automated Planning and Scheduling (ICAPS 2019)

Felix Winter*, Emir Demirovic, Nysret Musliu and Christoph Mrkvicka.

Modeling and Solving an Automotive Paint Shop Scheduling Problem (extended abstract).

12th International Conference on the Practice and Theory of Automated Timetabling (PATAT 2018)

Emir Demirovic, Nysret Musliu, Peter J. Stuckey and Felix Winter.

Solution-Based Phase Saving and MaxSAT for Employee Scheduling: A Computational Study (extended abstract).

12th International Conference on the Practice and Theory of Automated Timetabling (PATAT 2018)

Emir Demirovic, Nysret Musliu, Felix Winter*.

Modeling and Solving Staff Scheduling with Partial Weighted maxSAT.

Annals of Operations Research, 2017

Nysret Musliu, Felix Winter*.

A Hybrid Approach for the Sudoku problem: Using Constraint Programming in Iterated Local Search.

IEEE Intelligent Systems, 2017

Emir Demirovic, Nysret Musliu, Felix Winter*.

Modeling and Solving Staff Scheduling with Partial Weighted maxSAT.

11th International Conference on the Practice and Theory of Automated Timetabling (PATAT 2016)

A * indicates that I am the main author of the publication.

SCHOLARSHIPS, AWARDS AND ADDITIONAL INFO

2009-2011	Performance scholarship from TU Vienna
2014-2015	Participation at TUtheTOP, the High Potential program from TU Vienna. TUtheTOP participants are selected among the best 20% of the students through a multi-stage selection process.
2016	Won the <i>Distinguished Young Alumnus Award</i> of the faculty of informatics for the best diploma thesis.
AUGUST 2018	Organizing committee member of the <i>12th International Conference on the Practice and Theory of Automated Timetabling (PATAT 2018)</i> .
JULY 2019	Participated in the <i>ACP Summer School on Constraint Programming</i> and won the hackathon in the medium sized instance category as a member of the winning team. Won the <i>Best Doctoral Consortium Poster Award</i> at the <i>29th International Conference on Automated Planning and Scheduling (ICAPS 2019)</i> .

INTERESTS AND ACTIVITIES

RESEARCH INTERESTS: Metaheuristic algorithms, Constraint Programming, SAT & maxSAT solving, Hybrid approaches for optimization problems, Constraint satisfaction problems, Automated Algorithm Selection and Configuration

ACTIVITIES: Playing music with my band, Swimming, Hiking