Qualifications

Project Manager Level D, IPMA
2012

PhD Computer Science, PhD, TU Wien
Oct 2005 → Feb 2010

Management in Computer Science, Master, TU Wien
2008 → 2009

Computer Science, Master, TU Wien
Oct 2000 → Sept 2005

Employment

Transport Optimisation &Energy Logistics
Thematic Coordinator
Integrated Energy Systems
AIT Austrian Institute of Technology GmbH
28 Feb 2010 → present

Lecturer
TU Wien
Austria
1 Jan 2024 → present

Austrian Standards
Austria
1 Jan 2020 → present

Lecturer
University of Applied Sciences Technikum Wien
Austria
1 Jan 2017 → 1 Jan 2021

Logistics Research Austria
Austria
1 Jan 2016 → present

European Conference of Transport Research Institutes
Belgium
1 Jan 2015 → present

Lecturer
University of Applied Sciences BFI Vienna
Austria
1 Jan 2015 → 1 Jan 2023

Lecturer
TU Wien
Austria
1 Jan 2012 → 1 Jan 2012

Research outputs

Flip-Flopping Between On-Demand and Line Services in Public Transport

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Brunner, U. (Editor), Prandtstetter, M. (Editor), Reiner, G., Starkl, F. P. (Editor), Stein, S. & Wakolbinger, T., Dec 2025, Linz. 347 p. (Logistikforschung)

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Rendl, A. (Speaker), Prandtstetter, M., Hiermann, G., Puchinger, J. & Raidl, G., 2012, *Integration of AI and OR Techniques in Constraint Programming for Combinatorial Optimization Problems, Proceedings.*. Beldiceanu, N., Jussien, N. & Pinson, E. (eds.). Springer, p. 339-355 17 p.

Semantically Enriched Multi-Modal Routing
Eiter, T., Krennwallner, T., Prandtstetter, M. (Speaker), Rudloff, C., Schneider, P. & Straub, M., 2012, *Proceedings of the 19th World Congress on Intelligent Transport Systems.*

The Influence of Accurate Travel Times on a Home Health Care Scheduling Problem
Prandtstetter, M., Rendl, A. & Puchinger, J. (Speaker), 2012, *5th International Workshop on Freight Transportation and Logistics, Extended Abstracts.* 4 p.

A Memetic Algorithm for Reconstructing Cross-Cut Shredded Text Documents
Schauer, C. (Speaker), Prandtstetter, M. & Raidl, G., 2011, *Hybrid Metaheuristics 7th International Workshop, HM 2010, Vienna, Austria, October 1-2, 2010. Proceedings.* Blesa, M. J., Blum, C., Raidl, G., Roli, A. & Samples, M. (eds.). p. 103-117 15 p.

Metaheuristics for solving a Multimodal Home-Health Care Scheduling Problem
Hiermann, G. (Speaker), Rendl, A., Prandtstetter, M., Puchinger, J. & Raidl, G., 2011, *Proceedings of the 2nd Workshop on Young Academics.* 1 p.

Route Analysis And Planning For Urban Transportation On Basis Of Floating Car Data And Emission Estimates
Toplak, W., Asamer, J. (Speaker), Straub, M., Dragaschnig, M., Puchinger, J. & Prandtstetter, M., 2011, *TRB Annual Meeting Online - http://amonline.trb.org/.*

Activities

Reviewer for Proposals submitted to "Concurso Nacional de Proyectos Fondecyt Regular 2027"
Prandtstetter, M. (Other)
2026

Heuristics for Scheduling of Flexible Loads
Prandtstetter, M. (Speaker), Ritzinger, U. M. (Author), Koller, H. (Author), Hemm, R. (Author) & Wustinger, M. (Author)
6 Nov 2025

Business Models for Electric Vehicle Charging Infrastructure Providers in the Context of Energy Communities
Fina, B. (Author), Prandtstetter, M. (Author and Speaker), Klappacher, A. (Author) & Prodinger, L. (Author)
15 Jun 2025 → 18 Jun 2025

PI-Pilot Demonstrations: Key-Challenges und Mitigation Measures
Stein, S. (Author and Speaker), Prandtstetter, M. (Author) & Dellbrügge, M. (Author)
18 Mar 2025 → 19 Mar 2025

Optimisation in Transport and Logistics
Prandtstetter, M. (Speaker) & Ritzinger, U. M. (Speaker)
1 Mar 2025 → 30 Jun 2025

European Transport Research Review (ETRR) (Journal)
Prandtstetter, M. (Associate Editor)
Feb 2025 → …

Circularity of Reusable Packaging
Ponweiser, W. (Speaker), Prandtstetter, M. (Author), Reinthaler, M. (Author), Hu, B. (Author), Pfoser, S. (Speaker) & Brandner, M. (Author)
17 Apr 2024

Panel discussion "Special Session on Energy Transition"
Prandtstetter, M. (Participant)
17 Apr 2024

Assessing the Potential for a European Modal Shift Towards Rail
Prandtstetter, M. (Speaker), Widhalm, P. (Author), Stein, S. (Author) & Starkl, F. P. (Author)
16 Apr 2024

On a Method for Computing Emissions in Freight Transportation
Ponweiser, W. (Speaker), Prandtstetter, M. (Author), Ecker, C. (Author), Stein, S. (Author) & Starkl, F. P. (Author)
16 Apr 2024

Reduction of CO2 emissions through reusable packaging
Prandtstetter, M. (Speaker), Ponweiser, W. (Author), Reinthaler, M. (Author), Hu, B. (Author), Brandner, M. (Author) & Pfoser, S. (Author)
16 Apr 2024

Estimating the Energy Demand of Electric Vehicles for Charging Infrastructure Planning
Widhalm, P. (Speaker), Hu, B. (Author) & Prandtstetter, M. (Author)
15 Apr 2024 → 18 Apr 2024

Optimization in Transport and Logistics
Prandtstetter, M. (Speaker) & Ritzinger, U. M. (Speaker)
Mar 2024 → Jun 2024

Transport Research Arena 2024 (Event)
Prandtstetter, M. (Reviewer)
2024

Transport Research Arena 2024 (Event)
Prandtstetter, M. (Reviewer)
2024

Optimal Matching of Drivers and Passengers in a Commuter Ride Sharing Setting
Brandstätter, G. (Speaker), Strömer, S. (Author) & Prandtstetter, M. (Author)
24 Jul 2023

International Physical Internet Conference IPIC 2023 (Event)
Prandtstetter, M. (Reviewer)
2023

The National Fund for Scientific and Technological Development, FONDECYT, Chile (Publisher)
Prandtstetter, M. (Reviewer)
2023 → …

Motivating Companies, Academia and Research Organisations to Participate in EU Research
Prandtstetter, M. (Speaker, invited Keynote)
14 Nov 2022 → 17 Nov 2022

A Multi-Agent Framework for Scheduling Fully Electrified Public Transport
Sharma, S. (Author), Bhattacharya, S. (Speaker), Kiran, D. (Author), Azzopardi, B. (Author), Prandtstetter, M. (Author) & Hu, B. (Author)
9 Nov 2022

Intelligente Mobilitätskonzepte
Prandtstetter, M. (Speaker)
1 Oct 2022 → 31 Jan 2023

Mobilität versus Energie: Dekarbonisierung im Güterverkehr
Prandtstetter, M. (Speaker)
24 Jun 2022

Aktuelle Themen im Bereich der Gütermobilität mit Auswirkung auf das Energiesystem (und vice versa)
Prandtstetter, M. (Speaker, keynote)
3 Mar 2022

Recent optimisation challenges arising in the mobility sector
Prandtstetter, M. (Speaker)
26 Nov 2021

Charging Station Planning for Islands such as Malta
Prandtstetter, M. (Speaker)
22 Nov 2021 → 26 Nov 2021

Intelligente Mobilitätskonzepte
Prandtstetter, M. (Speaker)

1 Oct 2021 → 31 Jan 2022

International Physical Internet Conference IPIC 2021 (Event)
Prandtstetter, M. (Reviewer)
15 Jun 2021

Insights from the PhysICAL project
Prandtstetter, M. (Speaker, invited)
7 Apr 2021 → 8 Apr 2021

From Mobility Data Towards E-Mobility
Prandtstetter, M. (Speaker, invited Keynote)
15 Mar 2021 → 18 Mar 2021

Urbane Logistik
Prandtstetter, M. (Speaker)
1 Mar 2021 → 30 Jun 2021

White label distribution in cities and for last mile logistics
Prandtstetter, M. (Speaker, invited)
4 Dec 2020

International Physical Internet Conference IPIC 2020 (Event)
Prandtstetter, M. (Reviewer)
18 Nov 2020

Special Topics in Production/Logistics/SCM: Production Management
Prandtstetter, M. (Speaker)
1 Oct 2020 → 28 Feb 2021

Intelligente Mobilitätskonzepte
Prandtstetter, M. (Speaker)
1 Sept 2020 → 28 Feb 2021

Urbane Logistik
Prandtstetter, M. (Speaker)
1 Mar 2020 → 30 Jun 2020

Seamless Integration of e-Mobility into Corporate Mobility
Prandtstetter, M. (Speaker, invited Keynote)
9 Jan 2020

Mobility as a Service: Mobility Trends Changing the World
Prandtstetter, M. (Speaker, invited)
8 Oct 2019

Intelligente Mobilitätskonzepte
Prandtstetter, M. (Speaker)
1 Sept 2019 → 29 Feb 2020

International Physical Internet Conference (Event)
Prandtstetter, M. (Reviewer)
9 Jul 2019

SEAMLESS
Prandtstetter, M. (Speaker, invited)
29 Apr 2019

A Resource Allocation Based Approach for Corporate Mobility as a Service
Knopp, S. (Speaker, invited Keynote), Biesinger, B. (Author, invited Keynote) & Prandtstetter, M. (Author, invited Keynote)
25 Mar 2019

Podiumsdiskussion "Logistik - Unterschätzter Faktor für den Wirtschaftsstandort?"
Prandtstetter, M. (Speaker, invited)
21 Mar 2019

Urbane Logistik
Prandtstetter, M. (Speaker)
1 Mar 2019 → 30 Jun 2019

Betriebliche Mobilität
Prandtstetter, M. (Speaker, invited Keynote)
9 Jan 2019

Austrian Standards (External organisation)
Prandtstetter, M. (Member)
2019 → …

Podiumsdiskussion "Austrian Logistics"
Prandtstetter, M. (Speaker, invited)
23 Nov 2018

The importance of Accurate Data in Logistics
Prandtstetter, M. (Speaker, invited)
12 Nov 2018 → 14 Nov 2018

Vorstellung des Forschungsprojektes SEAMLESS
Prandtstetter, M. (Speaker, invited)
8 Nov 2018

Future Transportation - Subterranean Pipelines or Traditional Roads?
Prandtstetter, M. (Speaker, invited)
9 Oct 2018

Next-Level Corporate Mobility: Concepts and Findings
Prandtstetter, M. (Speaker), Asamer, J. (Author), Biesinger, B. (Author), Enzi, M. (Author), Griffith, F. (Author), Heilmann, B. (Author), Knopp, S. (Author) & Markvica, K. (Author)
4 Oct 2018 → 5 Oct 2018

Intelligente Mobilitätskonzepte
Prandtstetter, M. (Speaker)
1 Oct 2018 → 31 Jan 2019

Optimizing Allocations for Corporate Mobility Services
Biesinger, B. (Speaker), Knopp, S. (Author) & Prandtstetter, M. (Author)
1 Oct 2018 → 3 Oct 2018

Decomposition algorithms for the multi-modal ridesharing routing problem
Pisinger, D. (Speaker), Enzi, M. (Author), Parragh, S. (Author) & Prandtstetter, M. (Author)
8 Jul 2018 → 11 Jul 2018

A column generation approach for the multimodal ride-sharing routing problem (MMRRP)
Enzi, M. (Speaker, invited), Paragh, S. N. (Author, invited), Pisinger, D. (Author, invited) & Prandtstetter, M. (Author, invited)
25 Jun 2018 → 27 Jun 2018

IPIC 2018 - International Physical Internet Conference 2018 (Event)
Prandtstetter, M. (Reviewer)
18 Jun 2018

Wie kann die Auslastung im Fuhrpark optimiert werden?
Prandtstetter, M. (Speaker, invited Keynote)
8 Mar 2018

Urbane Logistik
Prandtstetter, M. (Speaker)
1 Mar 2018 → 30 Jun 2018

Modeling corporate mobility services
Enzi, M. (Speaker), Parragh, S. (Author) & Prandtstetter, M. (Author)
1 Dec 2017

OPTIMUM in a Nutshell
Prandtstetter, M. (Speaker, invited)
25 Oct 2017 → 27 Oct 2017

Intelligente Mobilitätskonzepte
Prandtstetter, M. (Speaker)
1 Sept 2017 → 28 Feb 2018

Modeling mobility as a service in a corporate setting
Enzi, M. (Speaker), Biesinger, B. (Author), Knopp, S. (Author), Parragh, S. (Author) & Prandtstetter, M. (Author)
17 Jul 2017 → 21 Jul 2017

Strategic Planning of Free-floating Electric Car Sharing Systems with User Incentives
Biesinger, B. (Speaker), Hu, B. (Author), Stubenschrott, M. (Author) & Prandtstetter, M. (Author)
17 Jul 2017 → 21 Jul 2017

Methods for Corporate Mobility as a Service
Knopp, S. (Speaker), Biesinger, B. (Author), Enzi, M. (Author), Hu, B. (Author) & Prandtstetter, M. (Author)
10 Jul 2017 → 12 Jul 2017

4th International Physical Internet Conference - IPIC 2017 (Event)
Prandtstetter, M. (Reviewer)
4 Jul 2017

Modeling mobility services in a corporate context
Enzi, M. (Speaker, invited), Parragh, S. (Author, invited) & Prandtstetter, M. (Author, invited)
12 Jun 2017 → 16 Jun 2017

Die Zukunft der betrieblichen Mobilität
Prandtstetter, M. (Speaker, invited)
17 May 2017

Urbane Logistik
Prandtstetter, M. (Speaker)
1 Mar 2017 → 30 Jun 2017

Intelligente Mobilitätskonzepte
Prandtstetter, M. (Speaker)
1 Sept 2016 → 1 Feb 2017

Synchromodalität - Was ist das eigentlich?
Prandtstetter, M. (Speaker, invited)
28 Apr 2016

Logistics Research Austria (External organisation)
Prandtstetter, M. (Chair)
2016 → …

Mixed Integer Linear Programming Models for the Interdependent Lock Scheduling Problem
Ruthmair, M. (Speaker, invited), Prandtstetter, M. (Author, invited) & Ritzinger, U. M. (Author, invited)
30 Nov 2015

Intelligente Mobilitätskonzepte
Prandtstetter, M. (Speaker)
1 Oct 2015 → 28 Feb 2016

Optimization Approaches for Recreational Bicycle Tour Planning
Klocker, B. (Speaker), Raidl, G. (Author) & Prandtstetter, M. (Author)
1 Sept 2015 → 4 Sept 2015

Mixed Integer Linear Programming Models for the Interdependent Lock Scheduling Problem
Ruthmair, M. (Speaker), Prandtstetter, M. (Author) & Ritzinger, U. M. (Author)
12 Jul 2015 → 17 Jul 2015

Synchromodal Networks
Putz, L.-M. (Author, invited) & Prandtstetter, M. (Speaker, invited)
24 Jun 2015

Intermodal E-Mobility Routing incorporating (E-)Car-Sharing
Prandtstetter, M. (Speaker), Straub, M. (Author) & Puchinger, J. (Author)
15 Jan 2014

Lock Scheduling in Austria
Prandtstetter, M. (Speaker) & Ritzinger, U. M. (Author)
13 Dec 2013

A Novel Dynamic Programming Approach for Solving the Container Pre-Marshaling Problem
Prandtstetter, M. (Speaker)
1 Jul 2013 → 4 Jul 2013

Demand Modelling as a Basis for Optimising the Redistribution of Bikes in the Vienna Bicycle Sharing System
Rudloff, C. (Speaker), Lackner, B. (Author), Prandtstetter, M. (Author) & Straub, M. (Author)
1 Jul 2013 → 4 Jul 2013

From a Container Pre-Marshalling Problem towards a Real-World Application
Prandtstetter, M. (Speaker) & Rendl, A. (Author)
7 Dec 2012

Mathematische Methoden des Visual Computings
Prandtstetter, M. (Speaker)
1 Oct 2012 → 31 Jan 2013

A Hybrid Heuristic for Multimodal Homecare Scheduling
Rendl, A. (Speaker), Prandtstetter, M. (Author), Hiermann, G. (Author), Puchinger, J. (Author) & Raidl, G. (Author)
16 Jul 2012 → 20 Jul 2012

Multimodal Home Healthcare Planning
Rendl, A. (Author), Prandtstetter, M. (Author) & Puchinger, J. (Speaker)
1 Dec 2011

Multimodal Home Healthcare Scheduling using a novel CP-VND-DP Approach
Rendl, A. (Speaker), Prandtstetter, M. (Author) & Puchinger, J. (Author)
23 May 2011 → 27 May 2011

Optimizing Multimodal Home Care using a Hybrid CP-VND-DP Approach
Rendl, A. (Speaker), Prandtstetter, M. (Author) & Puchinger, J. (Author)
12 May 2011 → 14 May 2011

Prizes

Content Award "Smart Cities"
Prandtstetter, M. (Recipient), 2012

ranked second in category "Operations for the Future" of the Smart Shipping Hackathon 2020
Prandtstetter, M. (Recipient), 2020

Winner Junior Category at ROADEF Challenge 2010
Prandtstetter, M. (Recipient), 2010