



Michael Kahr

Curriculum Vitae

Contact

current affiliation **University of Vienna**, *Department of Statistics and Operations Research*, Oskar-Morgenstern-Platz 1, 1090 Vienna, Austria.
phone **+43-1-4277-38665**
email **m.kahr@univie.ac.at**
room 6640

Education

- 2016 – present **Ph.D. candidate (operations research); associate collegiate of the Vienna Graduate School on Computational Optimization**, *Department of Statistics and Operations Research, University of Vienna*.
Supervisors: Immanuel M. Bomze, Markus Leitner
- 2014 – 2018 **Master of science (MSc.) in Business Education**, *Vienna University of Business and Economics*.
- 2014 – 2016 **Master of science (MSc.) in Business Administration**, *University of Vienna*, *Key subjects: operations research, e-business. (excellent success)*.
- 2011 – 2014 **Bachelor of science (BSc.) in International Business Administration**, *University of Vienna*.
- 1995 – 2000 **TGM - school of technology**, Vienna, Austria, *key subject: electronics*.
- 1991 – 1995 **Lower secondary school**, Klosterneuburg, Austria.
- 1987 – 1991 **Grammar school**, Klosterneuburg, Austria.

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☎ +43-1-4277-38665 • 📠 +43-1-4277-838665

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Experience

vocational

2016 – present **Research associate (prae doc)**, DEPARTMENT OF STATISTICS AND OPERATIONS RESEARCH, *University of Vienna*.

Research areas: (Large-scale) network optimization, robust optimization, quadratic optimization.

2013–2015 **Production assistant**, CINECRAFT FILM PRODUCTIONS, Vienna.
Backoffice assistance.

2005–2011 **Service manager**, CASHPOINT AGENTUR & IT SERVICE GMBH, Vienna.
Head of international technical operational activities, International sales.

miscellaneous

2002–2004 Multimedia producer, *Tuneful Creations*, Klosterneuburg.

2001–2002 Alternative civilian service. *Rehabilitation-center Weisser Hof*, Klosterneuburg.

Awards

2015 Performance scholarship

2014 Performance scholarship

Languages

fluent German, English

intermediate Spanish

Research interests

- Mixed-integer linear programming
- Conic optimization
- Optimization under uncertainty
- Network optimization

Publications

2018 Bomze, Immanuel M., Michael Kahr, and Markus Leitner. *Robust Standard Quadratic Optimization Problems and Dominant Set Clustering*. Technical report. http://www.optimization-online.org/DB_HTML/2018/04/6586.html. University of Vienna.

Fischetti, Matteo, Michael Kahr, Markus Leitner, Michele Monaci, and Mario Ruthmair. "Least cost influence propagation in (social) networks". In: *Mathematical Programming*.

Kahr, Michael. "Good explanations in operations research". Supervisor: Christiane Schopf. Master's thesis. Vienna University of Business and Economics.

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- 2017 Brandstaetter, Georg, Michael Kahr, and Markus Leitner. "Determining optimal locations for charging stations of electric car-sharing systems under stochastic demand". In: *Transportation Research Part B: Methodological* 150, pages 17–35.
- 2016 Kahr, Michael. "Determining optimal locations for charging stations of electric car-sharing systems under stochastic demand". Supervisors: Walter Gutjahr, Markus Leitner. Master's thesis. University of Vienna.

Research presentations

Contributed conference presentations

- Jul 2018 **Trust your data or not - StQP remains StQP.**
16th EUROPT Workshop on Advances in Continuous Optimization, Almeria, Spain.
- Jul 2018 **Robust StQP and community detection in social networks.**
29th European Conference on Operational Research, Valencia, Spain.
- Jul 2018 **Robust StQP, first-order methods, and applications in social network analysis.**
23rd International Symposium on Mathematical Programming, Bordeaux, France.
- Nov 2017 **Quadratic optimization with uncertainty in the objective function: Theory and practice of a robust approach.**
Workshop: Copositivity and Complete Positivity, Oberwolfach, Germany.
- Sep 2017 **Quadratic optimization with uncertainty in the objective function.**
Optimization 2017, Lisbon, Portugal.
- Feb 2017 **Determining optimal locations for electric car-sharing stations under stochastic demand.**
International Network Optimization Conference 2017, Lisbon, Portugal.

Article reviews

- European Journal of Operational Research