

## The Speakers

**Jawad Elomari** he is a lead researcher at ORTEC B.V. on mixed integer nonlinear optimization. He has worked in various industries like supply chain, pharmaceuticals, and engineering design. His research interests include multi-objective optimization, ranking and selection, algorithm tuning, and traffic assignment.

**Armin Gauss** Armin Gauss obtained his 'Diplomingenieur' in Technical Cybernetics from the University of Stuttgart in 1993 and is currently working as Project Manager and Principal Consultant at Fichtner IT Consulting. He coordinated the development of modular toolboxes for energy system planning and managed numerous projects to train and implement tools for energy system planning in utilities, in the public sector and in industrial enterprises. He has particular experience in energy system planning of large energy systems and concepts for optimizing distributed virtual energy systems.

Interests include robust solutions of practical optimization problems, large scale MIP optimization, decision support based on uncomplete information and uncertainties, multi model approach.

**Franz Höfferl** received his PhD in physics from university Vienna in 1979. He is a Member of research staff at Austrian Academy of Sciences. In 1980 he began to work in the field of OR at OMV. Since 1995 he is the Department Manager OR at OMV BU Refinery&Marketing.

**Josef Kallrath** obtained his PhD in astrophysics from Bonn University (Germany) in 1989. He is is with BASF's Scientific Computing group at BASF in Ludwigshafen since 1989, is a professor at the University of (Gainesville, FL, [www.astro.ufl.edu/~kallrath](http://www.astro.ufl.edu/~kallrath)), and solves real-world problems in industry using a broad spectrum of methods in scientific computing, from modeling physical systems to supporting decisions processes by mathematical optimization. He has written review articles on the subject, about 100 research papers in astronomy and applied mathematics, and several books on mixed integer optimization, as well as one on eclipsing binary stars.

He leads the Real World Optimization Working Group of the German Operations Research Society. His current research interests are polyhedral modeling and solution approaches to solve large-scale or difficult optimization problems, for instance, by decomposition techniques such as column generation, or hybrid methods.

**Robert Krämer** studied computer science at the University Kaiserslautern. He has been working in the central computer department of BASF until 1999 und then joined the company MATHESES in the role of technology advisor for web based developments and interfacing. Currently he is engaged in extending the company's VisPlain product.

**Thomas I. Maindl** earned his PhD in astronomy from the University of Vienna, Austria in 1994. He applies scientific computing to a multitude of challenges in science and industry where he has held expert and management positions in the chemical and software industries. He successfully developed, implemented, and deployed optimization-based advanced planning applications with measurable ROI for customers in several industries in Europe, North America, and Asia. While a large part of his projects deals with operations management, he also offers scientific computing advice focusing on detailed impact simulations of solid bodies including elasto-plastic dynamics, penetration, fragmentation, and merging.

Dr. Maindl wrote a book on optimization with SAP and has published numerous research papers on astrophysics and scientific computing. He also teaches supply chain management, advanced planning, scientific high-performance computing, and astrophysics at universities internationally.

**Franz Nelißen** Franz Nelißen received a diploma degree (University of Bonn), a PhD in in Agriculture Sciences (University of Gießen), and is also a Certified Project Management Associate (GPM). Franz started working for GAMS in 1995 and is a co-founder and managing director of GAMS Software GmbH. Since 2010 he serves as member of the GAMS Development Board of Directors, where he is responsible for business development and international project management.

**Wilhelm Ottendörfer** earned his masters degree in technical mathematics from the Johannes-Kepler-University of Linz in 1978, where he also got his PhD. Since 1979 he works for the Austian Verbund electricity company and has developed numerous optimization tools for the Verbund Hydro Power system as well as during his consulting activities in Europe, Asia and Central America. Additionally, he has developed pricing and hedging tools for electricity sales. For the last decade he has concentrated on methods of successive linear and MIP programming intensively using GAMS.