



## Conference Dinner

### Monday

- 19:00h *Welcome Drink*
- 19:30h **Thomas A. H. Schöck**  
(Chancellor of the University  
Erlangen-Nuremberg)  
Welcome Speech
- George Nemhauser**  
Host of the evening
- ❖ *Menu Starter*
- Louis Billera** – The Beginnings
- ❖ *Entrée*
- Rolf Möhring** – Bob and MPS
- ❖ *Main Dish*
- Mike Jünger** – The early days of cplex
- ❖ *Dessert*
- Closing of the Dinner
- 23:00h Bustransfer to Hotels

### Contact:

Alexander Martin  
Mobil: +49 175 29 87 157  
Office: +49 9131 85 20948  
alexander.martin@math.uni-erlangen.de

Sonja Friedrich  
Mobil: +49 160 90 368369  
Office: +49 9131 85 20954  
sonja.friedrich@math.uni-erlangen.de

Christina Weber  
Mobil: +49 179 67 29 484  
Office: +49 9131 85 20949  
christina.weber@math.uni-erlangen.de

Chair of EDOM  
Am Weichselgarten 9  
91058 Erlangen

# What a pivot - workshop honouring the 65<sup>th</sup> birthday of Bob Bixby

September 26 – 28, 2010

Kollegienhaus Erlangen,  
Universitätsstraße 15





## Program

### Sunday

09:00h-13:30h	Sightseeing in Nuremberg
14:00h-14:15h	<b>Alexander Martin, Bill Cook</b> Opening of the Workshop
14:15h-15:00h	<b>Louis Billera</b> How many faces can a polytope have? One hundred years and still counting.
15:00h-15:45h	<b>Coffee Break</b>
15:45h-16:15h	<b>Tom McCormick</b> Primal-Dual Algorithms for Weighted Abstract Flow and Weighted Abstract Cut
16:15h-16:45h	<b>Stephan Held</b> Safe Lower Bounds for Graph Coloring
16:45h-17:15h	<b>Arvind Rajan</b> An Overview of some Mathematical Models in Fixed Income
17:15h-17:45h	<b>Eva Lee</b> A journey in optimization – from elephants to dolphins

## Program

### Monday

09:00h-10:00h	<b>David Applegate</b> Using large-scale computation to estimate the Beardwood-Halton-Hammersley TSP constant
10:00h-10:30h	<b>Coffee Break</b>
10:30h-11:00h	<b>Sanjeeb Dash</b> Cuts from asymmetric disjunctions for mixed-integer polyhedra
11:00h-11:30h	<b>Hans Mittelmann</b> Computing Bounds in Combinatorial Optimization
11:30h-12:00h	<b>Rolf Möhring</b> When do Congestion Games have a Pure Nash Equilibrium?
12:00h-13:30h	<b>Lunch Break</b>
13:30h-14:30h	<b>Martin Grötschel</b> Combinatorial Online Optimization and Logistics
14:30h-15:00h	<b>Coffee Break</b>
15:00h-15:30h	<b>Bob Fourer</b> Approaches to Near-Optimally Solving MIPs
15:30h-16:00h	<b>Tom Magnanti</b> Optimizing Maintenance Scheduling for Modular Systems
16:00h-16:30h	<b>Zong Hao Gu</b> Computational Progress in MIP
16:30h-17:00h	<b>Ralf Borndörfer, Thorsten Koch</b> 20 years of MIP and no progress
18:30h	<b>Bustransfer to the Conference Dinner</b>

## Program

### Tuesday

09:00h-10:00h	<b>Donald Wagner</b> Graphs, Matroids, and Flows
10:00h-10:30h	<b>Coffee Break</b>
10:30h-11:00h	<b>Collette Coullard</b> Localization
11:00h-11:30h	<b>Daniel Espinoza</b> From Branching to Cutting (and back again), a local cuts approach
11:30h-12:00h	<b>Andrea Lodi</b> A Feasibility Pump for nonconvex MINLP
12:00h-13:30h	<b>Lunch Break</b>
13:30h-14:00h	<b>Satoru Fujishige</b> The LP-Newton method for linear programming
14:00h-14:30h	<b>Ed Rothberg</b> Barrier is from Mars, Simplex from Venus
14:30h-15:15h	<b>Coffee Break</b>
15:15h-16:15h	<b>Bill Cunningham</b> Matroids, Graphs, and 3-Connectivity
16:15h-16:30h	<b>Closing of the Workshop</b>