

Bonn Workshop on Combinatorial Optimization

Celebrating Bill Cook's 65th Birthday

Tuesday, October 18, 2022

Chair: Alexander Schrijver

09:00 – 10:00 **Michel Goemans**
The noncommutative rank of a matrix space

10:00 – 10:30 Coffee break

Chair: Martin Grötschel

10:30 – 11:00 **Joseph Cheriyan**
The traveling tournament problem: Complexity aspects

11:00 – 11:30 **Martin Skutella**
Quickest minimum cost transshipments

11:30 – 12:00 **László Végh**
Approximating Nash social welfare for submodular valuations

12:00 – 14:00 Lunch break

Chair: Daniel Espinoza

14:00 – 14:30 **Ricardo Fukasawa**
A fast combinatorial algorithm for the bilevel knapsack problem with interdiction constraints

14:30 – 15:00 **Ambros Gleixner**
Certified Gomory mixed integer cuts in a numerically safe MIP framework

15:00 – 15:30 **Daniel Dadush**
Interior point methods are not worse than Simplex

15:30 – 16:00 Coffee break

Chair: Vašek Chvátal

16:00 – 16:30 **Robert Bixby**
Some TSP stories

16:30 – 17:30 **Ina Prinz**
About traveling salesmen and unicorns

17:45 Birthday dinner departure