



## Vorträge

Mittwoch, 16. Juli 2014, Sky-Lounge (12 OG),  
Oskar-Morgenstern-Platz 1, 1090 Wien

### Mathematisches Kolloquium

Prof. Dr. Heinz H. BAUSCHKE (University of British Columbia): “An invitation to modern projection methods”

#### Abstract:

*Abstract feasibility problems, i.e., finding a solution satisfying certain constraints, are common in mathematics and the natural sciences. If the constraints have simple projectors (nearest point mappings), then one popular approach to these problems is to use the projectors in some algorithmic fashion to approximate a solution. In this talk, I will survey three methods: alternating projections*

- alternating projections
- Dykstra and
- Douglas–Rachford

*and comment on recent advances and remaining challenges.*

16:15 Uhr – 17:00 Uhr K & K (Sky Lounge)

Assoz. Prof. Dr. Radu Ioan Bot  
Dekan Univ.-Prof. Dr. Harald Rindler

Montag, 14. Juli 2014 bis Freitag, 18. Juli 2014, Erwin Schrödinger Lecture Hall,  
Boltzmannngasse 9, 1090 Wien

### ESI Workshop “Combinatorics, Geometry, and Physics”

organized by

A. Abdesselam (U of Virginia), Ch. Krattenthaler (U Vienna),  
A. Tanasă (Paris North U), F. Vignes-Tourneret (CNRS - U Lyon 1)  
(Details siehe Attachment)

Mittwoch, 16. Juli 2014, Besprechungszimmer 3 Stk., 13:00 – 15:00 Uhr,  
Oskar-Morgenstern-Platz 1, 1090 Wien,

### Vortrag

Prof. Dr. Heinz H. Bauschke (University of British Columbia): The Douglas-Rachford Algorithm: Recent Progress