

The 23rd KIAS Combinatorics Workshop

(Winter School for Combinatorics)

Korea Institute for Advanced Study
Seoul, Korea

February 21–22, 2019

Information

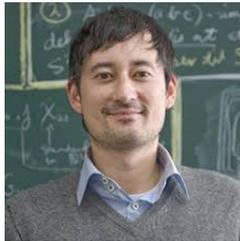
Title: The 23rd KIAS Combinatorics Workshop (Winter School for Combinatorics)

Date: February 21–22, 2019

Venue: Room 1503 KIAS, Seoul, Korea

Web: events.kias.re.kr/h/combinatorics/?pageNo=3637 or kcws.combinatorics.kr

Invited Lecturer



Andreas Holmsen (KAIST)

Organizers

Jong Yoon Hyun (KIAS)

Jang Soo Kim (Sungkyunkwan University)

Jeong Han Kim (KIAS)

Seog-Jin Kim (Konkuk University)

Young Soo Kwon (Yeungnam University)

Sang June Lee (Duksung Women's University)

Seunghyun Seo (Kangwon National University)

Timetable

February 21 (Thursday)		
13:30 – 13:55	Registration	
13:55 – 14:00	Opening address	
14:00 – 17:30	Lecture 1, 2	
Chair: Seunghyun Seo		
14:00 – 15:00	Andreas Holmsen	Introduction of basic concepts and the Erdos-Szekeres polygon problem
15:00 – 15:30	Coffee break	
15:30 – 16:30	Andreas Holmsen	Incidence problems
16:30 – 17:30	Group photo, Discussion	
17:30 –	Banquet	

February 22 (Friday)		
09:00 – 09:30	Breakfast	
09:30 – 12:00	Lecture 3, 4	
Chair: Seog-Jin Kim		
09:30 – 10:30	Andreas Holmsen	Geometric selection theorems and intersection patterns of convex sets
10:30 – 11:00	Coffee break	
11:00 – 12:00	Andreas Holmsen	Counting k-sets and other open problems
12:00 – 12:10	Closing remark	
12:10 –	Lunch	

Lecturer: Andreas Holmsen

Affiliation: KAIST

Title: An Introduction to Discrete Geometry

Abstract

In these lectures, we give an introduction to discrete geometry. Our goal is to reach some key results in the field by combining methods from linear algebra, topology, and probability.

Outline

- Lecture 1: Introduction of basic concepts and the Erdos-Szekeres polygon problem
- Lecture 2: Incidence problems
- Lecture 3: Geometric selection theorems and intersection patterns of convex sets
- Lecture 4: Counting k -sets and other open problems

List of Participants

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