

2020 大师论坛 MASTERS LECTURES

整体日程

Masters Lectures, Dec.18-20, 2020					
Time & Date	Friday 18/12	Time & Date	Saturday 19/12	Time & Date	Sunday 20/12
		7:00-8:00	<i>Breakfast</i>		
		Chair	Fu Baohua	Chair	Xinyi Li
		8:00-9:00	Gregory Lawler		
		9:10-9:50	Wei Wu	9:10-9:50	Elie Aidekon
		9:30-10:30	Xiaotao Sun	9:30-10:30	Wenfei Liu
		10:30-10:45	<i>Coffee Break</i>	10:40-11:00	<i>Coffee Break</i>
		10:00-10:40	Rongchan Zhu	10:00-10:40	Lun Zhang
		10:45-11:45	Meng Chen	10:45-11:45	Chen Jiang
		11:00-12:00	Gregory Lawler	11:00-12:00	Gregory Lawler
		12:30-13:30	<i>Lunch</i>		
14:00	Shuttle Bus	Chair	Wu Hao	14:00	Departure
		14:30-15:10	Zhonggen Su		
		15:10-15:50	Kainan Xiang		
		15:50-16:10	<i>Coffee Break</i>		
16:00	Registration	16:10-16:50	Changlong Yao		
		16:50-17:20	Yifan Gao		
		17:20-17:50	Mingchang Liu		
		17:00-18:00	Caucher Birkar		
18:00-19:30	<i>Banquet</i>				
20:00-21:00	Jungkai Chen	20:00-21:00	Yuri Prokhorov		
21:15-22:15	Caucher Birkar	21:15-22:15	Caucher Birkar		
Remark					
Schedule of whole sessions					
Time Slot of this session, you are kindly suggested to join other Parallel Sessions listed in the program voluntarily					

分会场 1 Algebraic Geometry Workshop

Time & Date	Friday 18/12	Saturday 19/12	Sunday 20/12
7:30—8:30	Registration at 16:00	<i>Breakfast (60 minutes)</i>	
9:30—10:30		Xiaotao SUN	Wenfei LIU
10:45—11:45		Meng CHEN	Chen JIANG
12:00		<i>Lunch(60 minutes)</i>	
13:00—17:00		Free (Hiking)	Departure at 14:00
17:00—18:00		Caucher BIRKAR(II)*	
18:00-20:00		<i>Opening Ceremony & Dinner</i>	
20:00—21:00	Jungkai CHEN*	Yuri PROKHOROV*	
21:15—22:15	Caucher BIRKAR(I)*	Caucher BIRKAR(III)*	

分会场 2 Probability Theory and Related Fields Workshop

Time & Date	Friday 18/12	Saturday 19/12	Sunday 20/12
7:00—8:00	Registration at 16:00	<i>Breakfast (60 minutes)</i>	
8:00—9:00		Gregory Lawler	
9:10—9:50		Wei Wu	Elie Aidekon
10:00—10:40		Rongchan Zhu	Lun Zhang
10:40—11:00		<i>Tea and coffee</i>	
11:00—12:00		Gregory Lawler	
12:00		<i>Lunch(60 minutes)</i>	
14:30—15:10		Zhonggen Su	Depart to Beijing at 14:00
15:10—15:50		Kainan Xiang	
15:50-16:10		<i>Tea and coffee</i>	
16:10-16:50		Changlong Yao	
16:50-17:20		Yifan Gao	
17:20-17:50		Mingchang Liu	
18:00-20:00	<i>Opening Ceremony & Dinner</i>	<i>Banquet</i>	
20:00—21:00			
21:15—22:15			

Algebraic Geometry Workshop

Plenary Lectures *Boundedness and moduli of algebraic varieties*



Caucher Birkar
University of Cambridge

Zoom Meeting ID: 388 528 9728

Password: BIMSA

Or scan QR to redirect Zoom Meeting Room



报告人简介

考切尔·比尔卡尔 (Caucher Birkar), 英籍库尔德裔数学家, 现任英国剑桥大学教授。比尔卡尔于 2004 年获英国诺丁汉大学博士学位。他在双有理几何领域做出了重要贡献, 主要研究了现代数学中关键问题的基本方面, 如最小模型, 奇点和线性系统, 他的理论为各种长期猜想提供了解决方案。2018 年 8 月 1 日, 考切尔·比尔卡尔获得了数学界最高奖菲尔兹奖, 他是库尔德人历史上第一个菲尔兹奖得主。

2010 年, 考切尔·比尔卡尔与合作者 Cascini-Hacon-Mckernan 共同证明了光滑射影簇的典范环是有限生成的与极小模型纲领中 klt 奇点的 flip 的存在性, 这一工作被认为是双有理几何乃至代数几何近 20 年来的最大进展之一。

2016 年, 比尔卡尔与合作者 Cascini-Hacon-Mckernan 一起获得了美国数学会颁发的 Moore 奖。同年, 他证明了 Borisov-Alexeev-Borisov 猜想, 也即证明了一类有奇点的 Fano 代数簇的有界性, 这也是他获得菲尔兹奖的原因。

线下地点: BIMSA 负一层 1119 会议室

Venue: Rm 1119, B1, BIMSA

Organizers

Shing-Tung Yau	Harvard Univ. & YMSC, Tsinghua Univ. & BIMSA
Shiu-Yuen Cheng	YMSC, Tsinghua Univ.
Baohua Fu	AMSS
Yifei Chen	AMSS & MCM
Jie Liu	AMSS

分会场 1 Algebraic Geometry Workshop 整体议程

Time & Date	Friday 18/12	Saturday 19/12	Sunday 20/12
7:30—8:30	Registration at 16:00	<i>Breakfast (60 minutes)</i>	
9:30—10:30		Xiaotao SUN	Wenfei LIU
10:45—11:45		Meng CHEN	Chen JIANG
12:00		<i>Lunch(60 minutes)</i>	
13:00—17:00		Free (Hiking)	Departure at 14:00
17:00—18:00		Caucher BIRKAR(II)*	
18:00-20:00		<i>Opening Ceremony & Dinner</i>	
20:00—21:00	Jungkai CHEN*	Yuri PROKHOROV*	
21:15—22:15	Caucher BIRKAR(I)*	Caucher BIRKAR(III)*	
Remark			
Schedule of this session			
Dinner, Banquet or Sightseeing			
Time Slot of this session, you are kindly suggested to join other Parallel Sessions listed in the program voluntarily			

DAY 1 December 18, 2020 (Beijing Time)

Beijing Time	Session Chair: Baohua Fu, AMSS
16:00	Registration
18:00	Opening Dinner
20:00-21:00	Jungkai CHEN , Taiwan University <i>Birational maps in minimal model program (Online)</i>
21:15-22:15	Caucher BIRKAR , University of Cambridge, UK <i>Boundedness and moduli of algebraic varieties I (Online)</i>

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Conference Program

DAY 2 December 19, 2020 (Beijing Time)

Beijing Time	Session Chair: Baohua Fu, AMSS
9:30 – 10:30	Xiaotao SUN , Tianjin University <i>Vanishing theorems of some GIT quotients</i>
10:30-10:45	Tea Break
10:45-11:45	Meng CHEN , Fudan University <i>On minimal varieties growing from quasismooth weighted hypersurfaces</i>
12:00	Lunch
17:00-18:00	Caucher BIRKAR , University of Cambridge, UK <i>Boundedness and moduli of algebraic varieties II (Online)</i>
18:00	Banquet
20:00-21:00	Yuri PROKHOROV , Steklov Mathematical Institute <i>On the rationality of Fano threefolds over non-closed fields (Online)</i>
21:15-22:15	Caucher BIRKAR , University of Cambridge <i>Boundedness and moduli of algebraic varieties III (Online)</i>

DAY 3 December 20, 2020 (Beijing Time)

Beijing Time	Session Chair: Baohua Fu, AMSS
9:30-10:30	Wenfei LIU , Xiamen University <i>On automorphisms of elliptic surfaces acting on CH_0</i>
10:30-10:45	Tea Break
10:45-11:45	Chen JIANG , Shanghai Center for Mathematical Sciences <i>Positivity in hyperkähler manifolds via Rozansky—Witten theory</i>
12:00	Lunch
14:00	Departure