Morning Session	Venue: Lecture Hall, 2nd Floor, JiaYiBing Building, No. 82 JingChunYuan, BICMR Chair: Ruochuan Liu
08:30-08:50	Sign in
08:50-09:00	Opening Speech Professor Dayue Chen　Dean, SMS Professor Xiaobo Liu　Vice Director, BICMR
09:00-09:45	Yifeng Liu　Yale University, USA
10:05-10:50	Xin Sun　Columbia University, USA
10:50-11:15	**C ffee b eak and g h**
11:15-12:00	Botong Wang　University of Wisconsin-Madison, USA
Afternoon Session	Venue: Room 1304, Sciences Building No. 1 Chair: Yuguang Shi
14:00-14:45	Zhiwei Yun　Massachusetts Institute of Technology, USA
15:00-15:45	Xinwen Zhu　California Institute of Technology, USA
16:00-17:00	Forum Venue: Room 1560, Sciences Building No. 1

Tea Place (m ning): Vide C nfe ence R   m

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Ab ac : In this talk, we will give a brief introduction to the Langlands program, one of the most difficult and important topics in modern mathematics. The program builds a magnificent bridge connecting number theory, arithmetic geometry, representations and harmonic analysis of Lie groups, (and even physics). We will also survey some recent major achievements toward the program.

Bi g a h : 2003 2007   2007

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Ab ac : In the last two decades there has been huge advance in understanding random surface from the perspective of the scaling limit of random triangulations. In this talk we review some highlights in this direction. In particular, we will explain in what sense Liouville quantum gravity is the uniformization of a class of natural random surfaces.

Bi g a h : 2007 2017

2017 Simons Junior Fellow

2018 2021 2019 Bernoulli

Society New Researcher Award 2020

Schramm-Loewner Evolution, Gaussian free field, random planar map

Liouville quantum gravity

Ab ac : A classical result of de Bruijn and Erdos states that if n points in the plane are not contained in one line, then they determine at least n lines. We will discuss some higher dimensional generalizations of this result and its relation to Hodge theory.

Bi g a h : 2002 2006 2006

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Ab   ac :

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Bi g a h :   2000   2004   2009

2009-2012   2012-2014

2013   2015

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