西安交通大學
XI'AN JIAOTONG UNIVERSITY

Speakers

Zhi QI (Hangzhou)

Emmanuel ROYER (Clermont-Ferrand)

Han WU (Lausanne)

Jie WU (Paris)

Qiang WU (Chongqing)

December 04-06, 2018

LECTURE SERIES IN NUMBER THEORY

Topics will include

1. Bessel functions over complex numbers
2. Stepanov method for algebraic exponential sums
3. Hooley-Huxley-Motohashi method for averages of arithmetic functions
4. L-functions and random matrix theory
5. Quasimodular forms and weak Jacobi forms
6. Kloosterman sums from a probabilistic point of view
7. Schur-Siegel-Smyth trace problem

数学与统计学院 SCHOOL OF MATHEMATICS AND STATISTICS 2011 XJTU

国家天元数学西北中心 Tianyuan Mathematical Center in Northwest China

西安数学与数学技术研究院 Xi'an International Academy for Mathematics and Mathematical Technology

Lecture Series in Number Theory

December 04-06, 2018 @ XJTU / Main Building, B-305

	December 04 (TUE)	December 05 (WED)	December 06 (THU)
09:00-10:00	**Emmanuel ROYER (Mini Course)** *L-functions and random matrix theory*	**Zhi QI (Mini Course)** *Integral formulae for Bessel functions over complex numbers and their applications*	**Emmanuel ROYER (Mini Course)** *Algebraic structures on extensions of modular forms*
	BREAK		
10:20-11:20	**Emmanuel ROYER (Mini Course)** *Quasimodular forms and square tiled surfaces*	**Zhi QI (Mini Course)** *Integral formulae for Bessel functions over complex numbers and their applications*	**Emmanuel ROYER (Mini Course)** *Kloosterman sums from a probabilistic point of view*
	LUNCH		
14:00-15:00	**Zhi QI (Mini Course)** *Integral formulae for Bessel functions over complex numbers and their applications*	**Jie WU (Research Talk)** *Hooley-Huxley-Motohashi method and applications*	**Zhi QI (Mini Course)** *Integral formulae for Bessel functions over complex numbers and their applications*
	BREAK		
15:10-16:10	**Han WU (Mini Course)** *Introduction to algebraic exponential sums*	**Qiang WU (Research Talk)** *Schur-Siegel-Smyth trace problem in computational number theory*	**Han WU (Mini Course)** *Introduction to algebraic exponential sums*
	BREAK		
16:30-17:30	**Han WU (Mini Course)** *Introduction to algebraic exponential sums*	**Han WU (Research Talk)** *On Kuznetsov-Bykovskii formula*	**Han WU (Mini Course)** *Introduction to algebraic exponential sums*
	DINNER		