

SUMMER SCHOOL IN MATHEMATICS

JUNE 12TH -
JUNE 30TH 2017

Arakelov geometry and Diophantine applications

Institut Fourier,
Grenoble (France)

Program

First week

JEAN-BENOÎT BOST

(UNIVERSITÉ PARIS-SUD, FRANCE)

Theta series, infinite rank Hermitian
vector bundles, and Diophantine
algebraization

HUAYI CHEN

(UNIVERSITÉ PARIS DIDEROT, FRANCE)

Théorème de Hilbert-Samuel arithmétique

ÉRIC GAUDRON

(UNIVERSITÉ CLERMONT AUVERGNE, FRANCE)

Minima et pentes des espaces
adéliques rigides

PER SALBERGER

(CHALMERS TEKNISKA HÖGSKOLA, SWEDEN)

Counting integral and rational points
on algebraic varieties

CHRISTOPHE SOULÉ

(INSTITUT DES HAUTES ÉTUDES SCIENTIFIQUES, FRANCE)

Arithmetic intersection

Second week

PASCAL AUTISSIER

(UNIVERSITÉ DE BORDEAUX, FRANCE)

Autour du théorème de Fekete-Szegő

ANTOINE CHAMBERT-LOIR

(UNIVERSITÉ PARIS DIDEROT, FRANCE)

Equidistribution theorems in
Arakelov geometry and
Bogomolov conjecture

ROMAIN DUJARDIN

(UNIVERSITÉ PIERRE ET MARIE CURIE, FRANCE)

Some problems of arithmetic origin
in complex dynamics and geometry

EMMANUEL PEYRE

(UNIVERSITÉ GRENOBLE ALPES, FRANCE)

Slopes and distribution of points

Third week

JAN BRUINIER

(TECHNISCHE UNIVERSITÄT DARMSTADT, GERMANY),

JOSÉ IGNACIO BURGOS GIL

(INSTITUTO DE CIENCIAS MATEMÁTICAS, SPAIN)

Arakelov theory on Shimura varieties

GERARD FREIXAS I MONTPLET

(INSTITUT DE MATHÉMATIQUES DE JUSSIEU-PARIS RIVE GAUCHE, FRANCE)

Automorphic forms and
arithmetic intersections

FABRIZIO ANDREATTA

(UNIVERSITÀ DEGLI STUDI DI MILANO, ITALY)

The height of CM points on orthogonal
Shimura varieties and Colmez conjecture

FOR FURTHER INFORMATION AND REGISTRATION:

<https://if-summer2017.sciencesconf.org/>

ORGANIZERS:

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