Recent Developments in Algebraic Geometry, Arithmetic and Dynamics Part 2
(14 Aug 2023–01 Sep 2023)

Name & Affiliation	Talk Title
Matthieu Astorg Universitéd'Orléans, France	Local dynamics of skew-products tangent to identity
Farhad Babaee University of Bristol, UK	Complex tropical currents
Fabrizio Bianchi Université de Lille, France	Central Limit Theorems for complex Hénon maps and automorphisms of compact Kähler manifolds
Cinzia Bisi Università degli Studi di Ferrara, Italy	Invariants and automorphisms of slice regular functions
Paolo Cascini Imperial College London, UK	On the Chern numbers of a smooth threefold
Meng Chen Fudan University, China	On projective varieties of general type with many global K-forms
Jungkai Chen National Taiwan University, Taipei	Toward classification of threefold divisorial contraction to curves
Nguyen-Bac Dang Université Paris-Saclay, France	Poincare series and dynamics over Berkovich spaces
Rong Du East China Normal University, China	Algebraic vector bundles on rational homogeneous spaces
Yun Gao Shanghai Jiao Tong University, China	Hyperplane restriction theorem and applications
Ziyang Gao Leibniz Universit¨at Hannover, Germany	Degeneracy loci in families of abelian varieties and their applications Sparsity of rational and algebraic points
Yoshinori Gongyo The University of Tokyo, Japan	The Mukai type conjecture
Fei Hu Nanjing University, China	An upper bound for polynomial volume growth of automorphisms of zero entropy

Name & Affiliation	Talk Title
Yong Hu Shanghai Jiao Tong University, China	Slope inequality for fibered threefolds over curves
Jun-Muk Hwang Institute for Basic Science, Korea	Minimal rational curves whose VMRT at a geneal point is an adjoint variety
Jia Jia Tsinghua University, China	Wild automorphisms of compact complex spaces
Chen Jiang Fudan University, China	An effective upper bound for anti-canonical volumes of singular Fano 3-folds
Shu Kawaguchi Doshisha University, Japan	Eisenstein K3 surfaces and analytic torsion
Yujiro Kawamata The University of Tokyo, Japan	***Distinguished Visitor Lecture Series*** On deformations over non-commutative base ***Colloquium talk*** On non-commutative deformations of complex manifolds
JongHae Keum Korea Institute for Advanced Study, Korea	Mori dream surfaces
Frank Kutzschebauch Universität Bern, Switzerland	Factorization of holomorphic matrices
Yongnam Lee Korea Advanced Institute of Science & Technology, Korea	Positivity of the tangent bundle of smooth projective surfaces and Fano threefolds
Sichen Li East China University of Science and Technology, China	Zariski dense orbit conjecture on automorphisms of projective threefolds
Hsueh-Yung Lin National Taiwan University, Taipei	Dynamical filtrations, beyond zero entropy
Haidong Liu Sun Yat-Sen University, China	The ampleness conjecture on K-trivial fourfolds
Xin Lu East China Normal University, China	Strict Arakelov inequalities for a semi-stable fibration
Sheng Meng East China Normal University, China	On projective threefolds with non-isomorphic surjective endomorphisms
Yusuke Nakamura The University of Tokyo, Japan	Minimal log discrepancies of quotient singularities

Name & Affiliation	Talk Title
Fabio Perroni University of Trieste, Italy	On the motivic class of the moduli stack of admissible G-covers
Ho Hai Phung Vietnam Academy of Science and Technology, Vietnam	Finite torsors on projective schemes defined over a discrete valuation ring
Finski Siarhei Ecole Polytechnique, France	Submultiplicative norms on section rings
Xiaotao Sun Tianjin University, China	Global F-regularity of moduli spaces of parabolic bundles
Johan Taflin Université de Bourgogne, France	Blenders and the sparsity of postcritically finite endomorphisms
Behrouz Taji The University of New South Wales Sydney, Australia	Higher dimensional Arakelov inequalities
Sheng-Li Tan East China Normal University, China	Foliated algebraic surfaces with low slope and Poincare problem
Long Wang Fudan University, China	Arithmetic degrees of dominant rational self-maps
Junyi Xie Peking University, China	Partial heights and the geometric Bombieri-Lang conjecture
Jit Wu Yap Harvard University, USA	An upper bound on number of S-integral points of orbits
Shou Yoshikawa Tokyo Institute of Technology, Japan	Polarized endomorphism and Frobenius liftability
Xun Yu Tianjin University, China	Automorphism groups of smooth hypersurfaces
Tong Zhang East China Normal University, China	Noether inequality for complex irregular threefolds of general type
Guolei Zhong Institute for Basic Science, Korea	Structure of projective varieties with certain positive tangent sheaves