

## Recent Developments in Algebraic Geometry, Arithmetic and Dynamics Part 1 (10–18 Jun 2021)

Name & Affiliation	Title of Talk
<a href="#">Piotr Achinger</a> Institute of Mathematics, Polish Academy of Sciences, Poland	Fundamental groups in non-archimedean geometry ( <a href="#">Video</a> )
<a href="#">Anna Bot</a> University of Basel, Switzerland	Real forms on rational surfaces ( <a href="#">Video</a> )
<a href="#">Simons Brandhorst</a> Universität des Saarlandes, Germany	Equations for the K3-Lehmer map ( <a href="#">Video</a> )
<a href="#">Michel Brion</a> Université Grenoble Alpes, France	Primitive homogeneous varieties ( <a href="#">Video</a> )
<a href="#">Serge Cantat</a> Université de Rennes 1, France	Folding pentagons and dynamics on K3 surfaces ( <a href="#">Video</a> )
<a href="#">Paolo Cascini</a> Imperial College London, UK	On the minimal model for algebraically integrable foliations ( <a href="#">Video</a> )
<a href="#">Jungkai Alfred Chen</a> National Taiwan University, Taiwan	Classification and factorization of birational maps in 3-fold MMP ( <a href="#">Video</a> )
<a href="#">Laura DeMarco</a> Harvard University, USA	Variation of canonical height in families of maps on $P^1$ ( <a href="#">Video</a> )
<a href="#">Ziyang Gao</a> Institut de Mathématiques de Jussieu- Paris Rive Gauche, France	Uniformity for the number of rational points on curves ( <a href="#">Video</a> )
<a href="#">Thomas Gauthier</a> Ecole Polytechnique, France	Unlikely intersections for polynomial dynamical pairs ( <a href="#">Video</a> )
<a href="#">Brendan Hassett</a> Brown University, USA	Rationality constructions over non-closed fields ( <a href="#">Video</a> )
<a href="#">Fei Hu</a> University of Oslo, Norway	A dynamical approach to Weil's Riemann hypothesis ( <a href="#">Video</a> )
<a href="#">Mattias Jonsson</a> University of Michigan, USA	A birational map with transcendental dynamical degree ( <a href="#">Video</a> )

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<a href="#">Shuddhodan Kadattur</a> Purdue University, USA	The (uniform) Hrushovski-Lang-Weil estimates ( <a href="#">Video</a> )
<a href="#">Shu Kawaguchi</a> Doshisha University, Japan	Invariant and Borchers Phi-function ( <a href="#">Video</a> )
<a href="#">Aleksander Kuznetsov</a> Steklov Mathematical Institute, Russia	Rationality over non-closed fields of Fano threefolds with higher geometric Picard rank ( <a href="#">Video</a> )
<a href="#">Yongnam Lee</a> Korea Advanced Institute of Science and Technology, Korea	Dominant rational maps from a very general hypersurface with high degree in the projective space ( <a href="#">Video</a> )
<a href="#">John Lesieutre</a> University of Pennsylvania, USA	Pathologies of the volume function ( <a href="#">Video</a> )
<a href="#">Conan Leung</a> Chinese University of Hong Kong, Hong Kong	Quantum cohomology of flag varieties via wonderful compactifications ( <a href="#">Video</a> )
<a href="#">Hsueh-Yung Lin</a> Kavli Institute for the Physics and Mathematics of the Universe, Japan	Dynamical filtrations and applications in slow dynamics ( <a href="#">Video</a> )
<a href="#">Yosuke Matsuzawa</a> Rikkyo University, Japan	Growth of heights and sizes of coordinates in arithmetic dynamics ( <a href="#">Video</a> )
<a href="#">Sheng Meng</a> Korea Institute for Advanced Study, Korea	Fano threefolds with non-isomorphic endomorphisms ( <a href="#">Video</a> )
<a href="#">Genki Ouchi</a> Nagoya University, Japan	Categorical/Hochschild entropy ( <a href="#">Video</a> )
<a href="#">Stefan Schreieder</a> Leibniz Universität Hannover, Germany	Refined unramified homology of schemes ( <a href="#">Video</a> )
Takahiro Shibata National University of Singapore, Singapore	The Kawaguchi-Silverman conjecture for endomorphisms on affine surfaces ( <a href="#">Video</a> )
<a href="#">Vasudevan Srinivas</a> Tata institute of Fundamental Research, India	Finite presentation for the tame fundamental group in characteristic ( <a href="#">Video</a> )
<a href="#">Tuyen Trung Truong</a> University of Oslo, Norway	A 10-line proof of a generalisation of Weil's RH for Abelian varieties ( <a href="#">Video</a> )

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<a href="#">Jacob Tsimmerman</a> University of Toronto, Canada	Abelian Varieties not Isogenous to Jacobians - in arbitrary characteristic <a href="#">(Video)</a>
<a href="#">Kazuhiko Yamaki</a> Kyoto University, Japan	Progress in the geometric Bogomolov conjecture <a href="#">(Video)</a>
<a href="#">Takehiko Yasuda</a> Osaka University, Japan	Local fundamental groups of log terminal singularities via stringy invariants <a href="#">(Video)</a>
Sho Yoshikawa University of Tokyo, Japan	Structure of varieties admitting an int-amplified endomorphism <a href="#">(Video)</a>
<a href="#">Xun Yu</a> Tianjin University, China	On lattice polarizable cubic fourfolds <a href="#">(Video)</a>
<a href="#">Susanna Zimmermann</a> Université Angers, France	Algebraic groups acting birationally on surfaces <a href="#">(Video)</a>