VERSITA

Central European Journal of **Mathematics**

Editorial Material

This issue of the Central European Journal of Mathematics is dedicated to its Editor-in-Chief, Fedor Bogomolov, on the occasion of his 65th birthday.

Bogomolov's mathematical interests are incredibly broad. They cover all aspects of geometry: differential, complex, algebraic, arithmetic, and their applications to number theory, physics, and computer science.

Here is a sample of his major scientific projects of the last 5 years:

- investigations of rationality properties of fields of invariants under linear algebraic groups (joint with Böhning and von Bothmer), and proofs of rationality of certain moduli spaces,

- dynamics of rational points under endomorphisms with applications to potential density of rational points on holomorphic symplectic varieties (joint with Amerik and Rovinsky),

- arithmetic of K3 surfaces (joint with Zarhin),

- construction of rational curves on K3 surfaces over algebraically closed fields (joint with Hassett and Tschinkel),

- study of symmetric tensors on singular hypersurfaces (joint with Oliveira),

- a set-theoretic Torelli theorem for hyperbolic curves over finite fields (joint with Korotiaev and Tschinkel),

- investigations of curve correspondences and applications of Belyi's theorem (joint with Tschinkel),

- the birational anabelian geometry program, reconstruction of function fields from small quotients of their absolute Galois groups, connections to the Bloch–Kato conjecture, and analysis of unramified cohomology (joint with Tschinkel).

Currently Bogomolov is the Director of Graduate Studies and a member of the Appointments Committee at the Courant Institute, New York University. In Moscow, he is the head of an actively developing Laboratory of Algebraic Geometry at the Faculty of Mathematics, Higher School of Economics, which is supported by a major grant of the Ministry of Education of the Russian Federation.

Bogomolov has boundless energy, creativity and brilliance, wisdom and strength. On his birthday, we wish him health and continuing success.

It is a pleasure and privilege to have him as a mentor, coauthor, and friend.

Ludmil Katzarkov, Tony Pantev, Yuri Tschinkel, Yuri Zarhin

Springer