RESEARCH INTERESTS

- Linear algebraic groups;

- Exceptional groups and nonassociative structures;

- Lie algebras;

- Brauer groups;

- Quadratic and Hermitian forms;

- R-equivalence and birational properties of algebraic group varieties;

- Arithmetic subgroups and lattices; classification of minimal nonuniform lattices of higher real rank;

- Galois cohomology of linear algebraic groups and the Hasse principle;

- Cohomological invariants;

- G-torsors;

- Motives of projective homogeneous varieties;

- Zero cycles on projective homogeneous varieties;

- Essential dimensions of algebraic groups.