



PROJECTIVE GEOMETRY AND SYZYGIES

Organizing Committee: Kangjin Han, Michał Kapustka, Sijong Kwak, Piotr Pragacz

Thursday, 9 April 2015; Room 403

9:00-10:00 Sijong Kwak (KAIST Daejeon): A bound for Castelnuovo-Mumford regularity by double point divisors

10:15-11:15 Kiryong Chung (KIAS Seoul): On the geometry of the moduli space of pure sheaves supported on quartic space curves

Coffee/Tea Break

12:00-13:00 Grzegorz Kapustka (IMPAN Kraków): Twenty incident planes in \mathbb{P}^5

13:00-15:00 Lunch Break

15:00-15:30 Coffee

15:30-16:30 Sławomir Cynk (Jagiellonian Univ. in Kraków): Picard-Fuchs operators of order four

16:45-17:45 Jinhyung Park (KIAS Seoul): Syzygies of Cox rings of del Pezzo surfaces

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8:00-9:00 Piotr Pragacz (IMPAN Warsaw): On diagonals of flag bundles

Coffee/Tea Break

9:30-10:30 Kristian Ranestad (Univ. of Oslo): On the powersums presenting a general cubic form in six variables

10:45-11:45 Francesco Russo (Univ. of Catania): Every cubic fourfold in \mathcal{C}_{14} is rational.

12:00-13:00 Sukmoon Huh (Sungkyunkwan Univ. in Seoul): On connectedness of Hilbert scheme of locally CM curves on Segre threefolds

13:00-15:00 Lunch Break

15:00-15:30 Coffee

15:30-16:30 Kangjin Han (DGIST Daegu): Syzygy bounds on the cubic strand of a projective variety and 3-linear resolutions

16:45-17:45 Sławomir Rams (Leibniz Univ. in Hannover): On lines on non-K3 quartic surfaces in three-dimensional projective space