Prof. Dr. Alexey Bondal
Talk: Toric degenerations of plane sections of Grassmanians related to clusters.

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We construct singular toric varieties which are degenerations of Fano plane sections of Grassmanians G(2, n). The degenerations are related to the cluster description of the graded coordinate algebras of the Grassmannians. These varieties are also degeneration of toric varieties related to associahedra. Mirror symmetry of the constructed families of Fano varieties will also be discussed.

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