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**ANDREY NOVOSELTSEV**, University of Alberta

*The 14th Case VHS and K3 Fibrations: Toric Approach*

Following the talk by Charles Doran, we will discuss explicit toric construction of certain Calabi-Yau threefolds and their fibrations by lattice-polarized K3 surfaces of high Picard rank. Along the way we will demonstrate the use of toric capabilities of a free open-source mathematics software Sage.