Exceptional splitting of abelian surfaces over global function fields.

Abstract:
Let $A$ denote a non-constant ordinary abelian surface over a global function field (of characteristic $p > 2$) with good reduction everywhere. Suppose that $A$ does not have real multiplication by any real quadratic field with discriminant a multiple of $p$. Then we prove that there are infinitely many places modulo which $A$ is isogenous to the product of two elliptic curves. This is joint work with Davesh Maulik and Yunqing Tang.

Special Note:
There will be a preparatory lecture for graduate students and post-docs in the seminar room starting at 1:00pm.

Host: Ila Varma
Thursday, February 14, 2019
2:00 PM
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