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*Iwasawa Theory of Abelian Varieties at Supersingular Primes*

In this talk, I will explain how we could generalize works of Kobayashi, Pollack and Sprung on supersingular elliptic curves to abelian varieties using  $p$ -adic Hodge theory. In particular, I will explain how to construct a logarithmic matrix that we could use to decompose Perrin-Riou's exponential map and how this leads to a natural definition of Kobayashi/Sprung-type Selmer groups. This is joint work with Kazim Buyukboduk.