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## Algebra and Number Theory Seminar

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Dr Alexey Zaytsev (Sch. Math Sc., UCD)

will speak on

**Reduction of abelian varieties with complex multiplication and  
its first truncated Barsotti-Tate group schemes**

Mon 4th April 2011 at 4:00PM

Location: Mathematical Sciences Seminar Room

Let  $A$  be an abelian variety over a number field  $L$  with complex multiplication by the full ring of integers  $\mathcal{O}_K$  for some CM field  $K$ . We consider a good reduction at prime ideal  $S$  in  $L$  of the abelian variety  $A$ . After the reduction, the Tate group scheme  $(A \bmod S)[p]$ .

This talk is part of the **Algebra and Number Theory** series. For more, see  
<https://maths.ucd.ie/seminars>