

# WYKŁAD WYDZIAŁOWY

w ramach seminarium

## ARYTMETYCZNA GEOMETRIA ALGEBRAICZNA

(organizatorzy: Grzegorz Banaszak, Piotr Krasoń)

Czwartek **20 kwietnia 2017**, godz. **16:00**, sala **212**

**Wydział Matematyczno-Fizyczny, Uniwersytetu  
Szczecińskiego**

ul. Wielkopolska 15, 70-451 Szczecin

**dr Stefan Barańczuk**

Uniwersytet Adama Mickiewicza w Poznaniu

### *Local-global principles in Mordell-Weil type groups*

**Streszczenie:** In the talk, I will discuss groups like finitely generated subgroups of the multiplicative group of number fields, Mordell-Weil groups of abelian varieties over number fields and odd algebraic K-theory groups. These groups are equipped with systems of reduction maps modulo prime ideals thus we can ask the following question: supposing some property holds locally (i.e., modulo prime ideals); does it hold globally? I intend to present several types of such local-global principles.