



## WYDZIAŁ MATEMATYCZNO – FIZYCZNY Instytut Matematyki

Zaprasza na wykład pod tytułem:

# Local Uniformization, defect and associated graded rings

który wygłosi:

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### ABSTRACT:

We begin by giving an overview of Abhyankar's approach to local uniformization (resolution of singularities along a valuation) and the role of defect in an extension of valued fields as an obstruction to local uniformization.

We discuss how defect can be detected through lack of finite generation of extensions of associated graded rings along the valuation. We then raise a question on eventual finite generation of extensions of associated graded rings in defectless extensions, which we answer positively in dimension two and equicharacteristic zero.

Wykład odbędzie się **21 czerwca 2018 r.** (czwartek)  
o godz. **16.00** w sali 212  
w budynku Wydziału Matematyczno – Fizycznego.