# Algebra Seminar

## Speaker:

**Alexander Bihlo,**
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**Wednesday, March 28 , 2018**
**1:00 p.m.,  HH-3017**

## Invariant discretization beyond finite differences

**Abstract:**

In this talk I will introduce a method for constructing discretization schemes that preserve the invariance group of a system of differential equations. Traditionally, such methods were applied within the framework of finite difference methods only. I will discuss possible ways of constructing invariant discretization schemes also for other discretization methodologies, including finite elements and meshless methods.