Einladung

zum Vortrag im Rahmen des **SFB Colloquiums** (Standort Linz), mit dem Titel

A babystep-giantstep method for faster deterministic integer factorization

VORTRAGENDER: **Markus Hittmeir**, Universität Salzburg
DATUM: Donnerstag, 15. Dezember 2016
ZEIT: 15:00 Uhr
ORT: Science Park 1, MT 130, JKU Linz

Abstract: In 1977, Volker Strassen presented a deterministic and rigorous algorithm for solving the problem to compute the prime factorization of natural numbers. His approach is based on fast polynomial arithmetic techniques and has been state of the art for the last fourty years. In this talk, we discuss the core ideas of a method for improving the runtime complexity bound by a superpolynomial factor.