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The logo for Johannes Kepler University Linz (JKU) features the letters 'JKU' in a bold, black, sans-serif font. The 'J' and 'K' are connected, and the 'U' is separate.

JOHANNES KEPLER
UNIVERSITÄT LINZ

Einladung

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

Euclidean Proofs for Function Fields

VORTRAGENDER: **Thomas Lachmann**, Universität Würzburg

DATUM: Mittwoch, 20. Jänner 2016

ZEIT: 10:15 Uhr

ORT: Science Park 1, MT 127, JKU Linz

Abstract: Schur proved the infinitude of primes in arithmetic progressions of the form $\equiv l \pmod{m}$, such that $l^2 \equiv 1 \pmod{m}$, with non-analytic methods by ideas inspired from the famous proof Euclid gave for the infinitude of primes. Ram Murty showed that Schur's method has its limits given by the assumption Schur made. We will discuss analogous for the primes in the ring $\mathbb{F}_q[T]$.

Das **SFB Colloquium** wird vom **FWF Special Research Program (SFB) Quasi-Monte Carlo Methods: Theory and Application** unterstützt