

Workshop on
“Uniform Distribution of Sequences”

April 22 - 25, 2025

organized by

Henk Bruin (U of Vienna), Robbert Fokkink (TU Delft), Jörg Thuswaldner (Montanuniversität
Leoben)

• **Tuesday, April 22nd, 2025**

09:30 – 10:15 **Registration**

10:15 – 11:00 **Robert Tichy (TU Graz)**

Limit theorems for lacunary sequences and discrepancy

11:00 – 11:30 **Coffee/Tea**

11:30 – 12:00 **Veronica Becher (Universidad de Buenos Aires)**

Normal numbers with digit dependencies

12:00 – 14:00 **Lunch Break**

14:00 – 14:45 **Arnoux**

TBA Accessible to general mathematic audience.

14:45 – 15:15 **Coffee/Tea**

15:15 – 15:45 **Yassawi**

TBA

15:45 – 16:15 **Harald Niederreiter (RICAM, Linz)**

Uniform Distribution: A Dutch-Austrian Success Story

16:30 – 18:00 **Reception at the Beaver Brewery**

• **Wednesday, April 23rd, 2025**

09:00 – 09:30 **Sebastien Labbé (U Bordeaux)**

Metallic mean Wang tiles and their Rauzy fractals

09:30 – 10:00 **Charlier**

TBA

10:00 – 10:30 **Radinger**

TBA

10:30 – 11:00 **Coffee/Tea**

11:00 – 11:30 **Hitoshi Nakada (Keio U)**

On dynamics of some continued fraction maps

11:30 – 12:00 **Popoli**

TBA

12:00 – 14:00 **Lunch Break**

14:00 – 14:45 **Slade Sanderson (Utrecht U)**

Descendants of the mother of all continued fractions

14:45 – 15:15 **Coffee/Tea**

15:15 – 15:45 **Ayreena Bakhtawar (IMPAN, Warsaw)**

On the increasing rate of weighted products of multiple partial quotients in continued fractions

15:45 – 16:15 **Krawczyk**

TBA

16:15 – 16:45 **Bastian Espinoza (U of Liège)**

Dynamics of dendric subshifts

• **Thursday, April 24th, 2025**

09:00 – 09:30 **Nikolay Moshchevitin (TU Vienna)**

Dirichlet improvability in L_p -norms

09:30 – 10:00 **Michel Rigo (U of Liège)**

Automatic proofs in combinatorial game theory

10:00 – 10:30 **Olga Lukina (Leiden U)**

Skew-product systems over infinite interval exchange transformations

10:30 – 11:00 **Coffee/Tea**

11:00 – 11:30 **Carton**

TBA

11:30 – 12:00 **Tom Schmidt (Oregon State U, Corvallis)**

First expansive returns and cross sections

12:00 – 14:00 **Lunch Break**

14:00 – 14:45 **Valérie Berthé (Paris Cité U)**

Equidistribution modulo finite groups in shifts

14:45 – 15:15 **Coffee/Tea**

15:15 – 15:45 **Lukas Spiegelhofer (Montanuniversität Leoben)**

Thue–Morse along the sequence of cubes

15:45 – 16:15 **Golafshan Mehdi (U of Liège)**

Leading Digits, Factor Complexity, and Flows on Homogeneous Spaces: A Dynamical Approach

18:00 – 22:00 **Conference Dinner**

• **Friday, April 25th, 2025**

09:30 – 10:00 **Lucia Rossi (TU Wien)**

Digit expansions in rational and algebraic basis

10:00 – 10:30 **Yasushi Nagai (Shinshu U)**

A Special Case of the Binary S -adic Pisot Conjecture

10:30 – 11:00 **Coffee/Tea**

11:00 – 11:30 **Wieb Bosma (Radboud U)**

Computing or Reasoning? New Examples Link Innovative Systems! (A 67th birthday talk)

11:30 – 12:00 **Shigeki Akiyama (Tsukuba U)**

Badly approximable numbers and Delone sets

12:00 – 14:00 **Lunch Break**

14:00 – 14:45 **Joanna Kułaga-Przymus (NCU, Torun)**

B-free sets and the existence of natural density

14:45 – 15:15 **Coffee/Tea**

15:15 – 15:45 **Michael Baake (Bielefeld U)**

Symmetries, spectra and eigenfunctions of simple B-free lattice systems

All talks take place at ESI Boltzmann Lecture Hall!