

THE SEVENTH INTERNATIONAL CONFERENCE
ON UNIFORM DISTRIBUTION THEORY
(UDT 2021)

LINZ, FEBRUARY 22-25, 2021

The Seventh International Conference on Uniform Distribution Theory was scheduled to take place in Linz, Austria, on July 6–10, 2020. Due to the pandemic situation the conference first had been postponed to February 22–25, 2021, and then even had to be converted into an online conference. Hosting institutions were the Johannes Kepler University (JKU) Linz and the Johann Radon Institute for Computational and Applied Mathematics (RICAM) of the Austrian Academy of Sciences. The homepage of the conference can be found at:

<https://www.ricam.oeaw.ac.at/events/conferences/udt2021/>

The reduced program of the online conference consisted of the following excellent plenary lectures:

Verónica Becher (Universidad de Buenos Aires):

On modifying normal numbers.

Stefan Steinerberger (University of Washington):

New low-discrepancy sequences via potential theory.

Gohar Kyureghyan (University of Rostock):

Constructions of irreducible polynomials over finite fields.

Péter Pál Pach (Budapest University of Technology and Economics):

Avoiding arithmetic progressions or certain geometric configurations.

Nikolay Moshchevitin (Moscow State University and Astrakhan State University):

On geometry of diophantine approximation.

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Thomas Stoll (Université de Lorraine, Nancy):

On difference matrices and generalised Rudin-Shapiro sequences.

Alina Ostafe (University of New South Wales, Sydney):

Multiplicative and additive relations for values of rational functions and points on elliptic curves.

Jean-Louis Verger-Gaugry (Université Savoie Mont Blanc):

Recent progress on the dynamical zeta function of the beta-shift, and Lehmer's problem.

The program committee consisted of the following people:

Dmitriy Bilyk	(University of Minnesota),
Yann Bugeaud	(Université de Strasbourg),
Cécile Dartyge	(Université de Lorraine, Nancy),
Maria Infusino	(University of Cagliari),
Peter Kritzer	(Austrian Academy of Sciences),
László Mériai	(Austrian Academy of Sciences),
Radhakrishnan Nair	(University of Liverpool),
Friedrich Pillichshammer	(Johannes Kepler University Linz),
Ilya Shkredov	(Steklov Mathematical Institute, Moscow),
Robert Tichy	(TU Graz),
Jean-Louis Verger-Gaugry	(Université Savoie Mont Blanc),
Arne Winterhof	(Austrian Academy of Sciences).

UDT 2021 was a sequel to the conferences on Uniform Distribution Theory in:

Marseille (2008), Strobl am Wolfgangsee (2010), Smolenice (2012),

Ostravice (2014), Sopron (2016), Marseille (2018).

This volume of Uniform Distribution Theory contains four invited papers related to plenary talks given at UDT 2021. We would like to thank all colleagues who contributed to the conference and to this volume.

The organizing committee:

Friedrich Pillichshammer

Peter Kritzer

László Mériai (guest editor)

Arne Winterhof