

**ANNOUNCEMENT
OF THE FOURTH INTERNATIONAL CONFERENCE
ON UNIFORM DISTRIBUTION THEORY
(UDT 2014)
OSTRAVICE, JUNE 30 – JULY 5, 2014**

LADISLAV MIŠÍK — OTO STRAUCH

ABSTRACT. This brief note contains several information on previous conferences UDT and upcoming conference UDT 2014.

Previous conferences

On the 17th Czech and Slovak International Conference, Malenovice 2005, some participants agreed to found a new journal focusing on probabilistic number theory. In 2006 the first volume of the journal Uniform Distribution Theory (UDT) issued. To enhance cooperation in this area the members of Editorial Board of UDT have agreed to organize conferences in this field with a two-years period and proceedings of these conferences are published in the journal UDT. The following list summarizes the previous conferences:

- 1st International Conference on Uniform Distribution Theory
Marseille-Luminy, January 21-25 2008, France.
<http://www.latp.univ-mrs.fr/liardet/ud2008/>
UDT, Vol. 3 (2008), no. 2.
- 2nd International Conference on Uniform Distribution Theory,
Strobl, July 5–9 2010, Austria
<http://dmg.tuwien.ac.at/nfn/Strobl2010.html>
UDT, Vol. 6 (2011), no. 1, no. 2.
- 3rd International Conference on Uniform Distribution Theory,
Smolenice, June 25-29 2012, Slovakia
<http://www.mat.savba.sk/confer/UDT2012/index.htm>
UDT, Vol. 8 (2013), no. 1, no. 2.

The UDT 2014 Conference

- 4th International Conference on Uniform Distribution Theory,
Ostravice, June 30-July 4 2014, Czech Republic
<http://ntc.osu.cz/UDT2014>

For more information on the conference venue see

<http://www.hotel-sepetna-ostravice.cz-ubytovani.info/>.

Contact person in the local organizing committee is Ladislav Mišík.

Scope of the conference

The focus of the conference is the same as the aim of the UDT:

- Distribution of one dimensional and multidimensional sequences.
- Distribution of binary sequences.
- Distribution of integer sequences and sequences from groups and spaces.
- Distribution problems in finite abstract sets.
- Continuously uniform distributions.
- Discrepancies.
- Pseudo-random number generators.
- Quasi-Monte Carlo integration.
- Quasi-Monte Carlo methods in financial mathematics.
- Theory of densities.
- Theory of distribution functions of sequences.
- Distribution of integer points in large domains.
- Spectral properties of sequences.
- Dynamics emerging from sequences.
- Number theoretic ciphers and codes.
- Combinatorial number theory.
- Trigonometric sums.
- Diophantine approximations and diophantine equations.
- Continued fractions.
- Quantum chaos.

In terms of the AMS subject classification, the main subject areas supported are 11K, 11J, 11B and 11L. For better decision making colleagues to attend the Conference UDT 2014 we lists the editorial board of the UDT:

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