



SETA 2012

SEquences and Their Applications

University of Waterloo, June 4–8, 2012

<http://seta2012.uwaterloo.ca>

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Scope

Previously unpublished work on technical aspects of sequences (one- and multi-dimensional) and their applications in communications, cryptography, coding, and combinatorics, including:

- Periodic and aperiodic correlation of sequences
- Synthesis and analysis of nonlinear feedback shift register sequences
- Linear and nonlinear complexity of sequences
- Boolean and vectorial functions
- Randomness properties of sequences
- Sequences for radar systems, including Costas arrays
- Sequences for OFDM, CDMA, and MIMO wireless communication
- Sequences for synchronization, identification, and hardware testing
- Sequences for network coding
- Sequences for stream ciphers and pseudorandom number generation
- Lightweight pseudorandom sequence generators for resource constrained devices

Invited Speakers

Rosemary Bailey, University of London, UK

Charlie Colbourn, Arizona State University

Thomas Johansson, Lund University

Vahid Tarokh, Harvard University

Qing Xiang, University of Delaware

Special Session

in honour of
Solomon Golomb's
80th birthday

Important Dates

January 9, 2012: submission deadline

February 20, 2012: notification of acceptance

March 12, 2012: final submission of accepted papers

Submission Details

- Submit full papers of up to 12 pages as a PDF file via <http://senldogo0039.springer-sbm.com/ocs/home/SETA2012>
- Submissions should contain enough detail for peer review, and must not substantially duplicate work submitted to another journal, conference or workshop with proceedings.
- Accepted papers will appear in Springer Lecture Notes in Computer Science (LNCS). The final version of accepted papers must be typeset in LaTeX using the LNCS style.

