

# International Conference on Sequences and Their Applications (SETA) 2008

University of Kentucky, Lexington, KY - Sept. 14-18, 2008

## Call For Papers

The fifth International Conference on Sequences and Their Applications (SETA'08) will be held from September 14th to 18th, 2008, in Lexington, Kentucky, USA. Previously unpublished papers on all technical aspects of sequences and their applications in communications, cryptography, and combinatorics are solicited for submission to SETA'08. Topics include:

- Randomness of sequences
- Correlation (periodic and aperiodic types) and combinatorial aspects of sequences (difference sets)
- Sequences with applications in coding theory and cryptography
- Sequences over finite fields/rings/function fields
- Linear and nonlinear feedback shift register sequences
- Sequences for radar distance ranging, synchronization, identification, and hardware testing
- Sequences for wireless communication
- Pseudorandom sequence generators
- Correlation and transformation of Boolean functions
- Multidimensional sequences and their correlation properties
- Linear and nonlinear complexity of sequences

## Invited Speakers

- Claude Carlet (University of Paris 8, France),
- Pierre L'Écuyer (Université de Montréal, Canada),
- Guang Gong (University of Waterloo, Canada)
- Robert McEliece (California Institute of Technology)s

## Paper Submission

Electronic submissions of full papers are due on March 25, 2008. Submitted papers should be of sufficient detail for review by experts in the field and must not substantially duplicate work that any author has published elsewhere or has submitted in parallel to any other journal, conference, or workshop that has proceedings. Accepted submissions may not appear in any other conference or workshop that has proceedings.

### *Submission Format:*

- Each submission may be up to 12 pages in length. It must be submitted as a PDF or Postscript file through the conference website, where details of the submission process will be available.
- The final version of the paper must be typeset using LaTeX and the [LNCS style](#). Authors unable to submit papers electronically should contact one of the co-chairs before March 20, 2008 (see the contact information below).

## Important Dates

- March 25, 2008                      Deadline for submission
- May 15, 2008                        Acceptance notification
- June 5, 2008                         Camera-ready paper submission
- September 14-18, 2008          SETA 2008

## Conference Proceedings

Proceedings of the conference will be published in Springer-Verlag's [Lecture Notes in Computer Science](#) series, and will be available at the conference.

## Best paper Award

There will be a Best Paper Award which will include a cash prize of \$500 and an invitation to publish an extended version of the winning paper in the journal *Cryptography and Communications - Discrete Structures, Boolean Functions and Sequences*.

## General Chair and Local Arrangements

### Andrew Klapper

Department of Computer Science  
779A Anderson Hall  
University of Kentucky  
Lexington, KY 40506-0046  
USA  
Email: [klapper at cs dot uky dot edu](mailto:klapper@cs.uky.edu)

## Technical Program Committee Co-Chairs

**Solomon Golomb** Communications Sciences Institute  
University of Southern California  
Los Angeles, California  
USA 90089-2565  
Email: [milly at usc dot edu](mailto:milly@usc.edu)

**Alexander Pott** Otto-von-Guericke-Universität  
Postfach 4120  
39016 Magdeburg  
Germany  
Email: [alexander.pott at ovgu dot de](mailto:alexander.pott@ovgu.de)

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Claude Carlet, Univ. of Paris 8, France  
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