



SETA 2010

Sequences and Their Applications Conference

The sixth conference on **Sequences and their applications (SETA 2010)** will be held at Telecom ParisTech, Paris, France from **September 12 to 17, 2010**.

CALL FOR PAPERS

Contact

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Paper Submission

Electronic submissions of full papers are due on April 1, 2010. 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 file through the conference website, <http://www.easychair.org/conferences/?conf=seta2010>.
- The final version of the paper must be typeset using LaTeX and the LNCS style.

Technical Program Committee

Claude Carlet (co chair)
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Bernhard Schmidt
Kai-Uwe Schmidt
Hong-Yeop Song
Kyeongcheol Yang
Nam Yul Yu

Invited Speakers

- Robert Calderbank, Princeton University, USA
- James Massey, ETH Zurich, Switzerland (retired)
- Jong-Seon No, Seoul National University, Korea
- Arne Winterhof, Österreichische Akademie der Wissenschaften (Austrian Academy of Sciences)

General Chair

- Patrick Solé, Telecom ParisTech

Local Arrangements

- Jean-Claude Belfiore, Telecom ParisTech

Important Dates

- April 1: Submission deadline
- May 15: Notification of acceptance
- June 6: Final paper submission

Proceedings

- Springer Lecture Notes in Computer Science

TOPICS

Previously unpublished papers on all technical aspects of sequences and their applications in communications, cryptography, and combinatorics are solicited for submission to SETA'10. 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
- Boolean and vectorial functions for sequences, coding and/or cryptography
- Multidimensional sequences and their correlation properties
- Linear and nonlinear complexity of sequences

