

De Cannière, Christophe; Preneel, Bart**Trivium.** (English) [Zbl 1285.94054](#)

Robshaw, Matthew (ed.) et al., New stream cipher designs. The eSTREAM finalists. Berlin: Springer (ISBN 978-3-540-68350-6/pbk). Lecture Notes in Computer Science 4986, 244-266 (2008).

Summary: In this chapter, we propose a new stream cipher construction based on block cipher design principles. The main idea is to replace the building blocks used in block ciphers by equivalent stream cipher components. In order to illustrate this approach, we construct a very simple synchronous stream cipher which provides a lot of flexibility for hardware implementations, and seems to have a number of desirable cryptographic properties.

For the entire collection see [\[Zbl 1259.94006\]](#).**MSC:**[94A60](#) Cryptography[68P25](#) Data encryption (aspects in computer science)Cited in **1** Review
Cited in **25** Documents**Software:**[Trivium](#)**Full Text:** [DOI](#)