

Accepted Manuscript

On the novel chaotic secure communication scheme design

B. Wang , S.M. Zhong , X.C. Dong

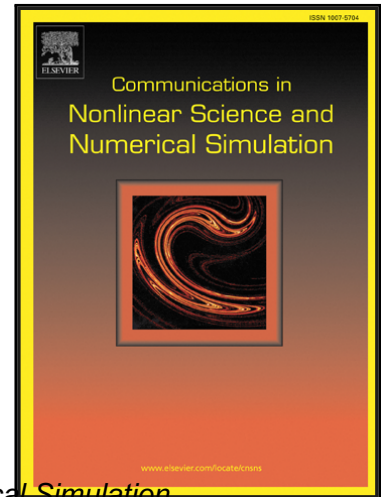
PII: S1007-5704(16)30064-8
DOI: [10.1016/j.cnsns.2016.02.035](https://doi.org/10.1016/j.cnsns.2016.02.035)
Reference: CNSNS 3793

To appear in: *Communications in Nonlinear Science and Numerical Simulation*

Received date: 25 April 2014
Revised date: 5 August 2014
Accepted date: 28 February 2016

Please cite this article as: B. Wang , S.M. Zhong , X.C. Dong , On the novel chaotic secure communication scheme design, *Communications in Nonlinear Science and Numerical Simulation* (2016), doi: [10.1016/j.cnsns.2016.02.035](https://doi.org/10.1016/j.cnsns.2016.02.035)

This is a PDF file of an unedited manuscript that has been accepted for publication. As a service to our customers we are providing this early version of the manuscript. The manuscript will undergo copyediting, typesetting, and review of the resulting proof before it is published in its final form. Please note that during the production process errors may be discovered which could affect the content, and all legal disclaimers that apply to the journal pertain.



Highlights

- A dual channel transmission mechanism is presented and used in secure communication scheme design for the first time. In this case, when one channel is under attack, the information transmission stays secure.
- The channel-switching techniques are adopted to further improve the security of information transmission. In this case, even if two transmission signals are intercepted, the communication system stays safe as long as the channel-switching strategy is not known by intruders.

Download English Version:

<https://daneshyari.com/en/article/7155185>

Download Persian Version:

<https://daneshyari.com/article/7155185>

[Daneshyari.com](https://daneshyari.com)