

## Accepted Manuscript

Title: Verifier-based three-party authentication schemes using extended chaotic maps for data exchange in telecare medicine information systems

Author: Tian-Fu Lee

PII: S0169-2607(14)00345-9  
DOI: <http://dx.doi.org/doi:10.1016/j.cmpb.2014.09.006>  
Reference: COMM 3856

To appear in: *Computer Methods and Programs in Biomedicine*

Received date: 29-5-2014  
Revised date: 3-9-2014  
Accepted date: 23-9-2014

Please cite this article as: T.-F. Lee, Verifier-based three-party authentication schemes using extended chaotic maps for data exchange in telecare medicine information systems, *Computer Methods and Programs in Biomedicine* (2014), <http://dx.doi.org/10.1016/j.cmpb.2014.09.006>

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:**

- > We develop an efficient and secure verifier-based three-party authentication scheme.
- > Our scheme is based on extended chaotic maps and suitable for data exchange in TMIS.
- > Our scheme proven secure in the random oracle model.
- > Our scheme avoids time-consuming modular exponents and scalar multiplications on ECC.
- > Our scheme has lower computational cost, fewer transmissions and higher security.

Accepted Manuscript

Download English Version:

<https://daneshyari.com/en/article/10345491>

Download Persian Version:

<https://daneshyari.com/article/10345491>

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