## **Accepted Manuscript**

An elliptic curve cryptography based lightweight authentication scheme for smart grid communication

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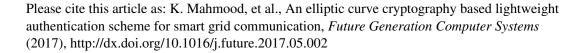
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## ACCEPTED MANUSCRIPT

- We have designed an authentication scheme for smart grid communication.
- The proposed scheme does not require the trusted third party during authentication phase.
- The scheme along with traditional security requirements also provides anonymity and privacy.
- Proposed scheme is secure under threat model of automated tool ProVerif.

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