

Dear Editor,

Please find attached our work on selfish behavior in Bitcoin: « ZeroBlock: Timestamp-Free Prevention of Block-Withholding Attack in Bitcoin ». In this paper, we introduced a new timestamp-free solution to prevent block-withholding or selfish mining as one of the most important problems of the Bitcoin network. Also, since the result of selfish mining is intentional fork, thus our approach reduces significantly forking the Blockchain by preventing unpermitted block-withholding. Our idea does not lead to any additional delay, since our solution is based on the Bitcoin protocol configuration for block generation rate. ZeroBlock solution is a step further in solving one of the major problems in Bitcoin and can be used also as an altcoin, (a term refers to a cryptocurrency based on the Blockchain technology) or in conjunction with other cryptocurrencies.

Best regards,
The authors