



Vol.34 No.6 Nov. 2019

ISSN 1000-9000(Print)
/1860-4749(Online)
CODEN JCTEEM

Journal of Computer Science & Technology



SPONSORED BY INSTITUTE OF COMPUTING TECHNOLOGY
THE CHINESE ACADEMY OF SCIENCES &



CHINA COMPUTER FEDERATION



SUPPORTED BY NSFC



CO-PUBLISHED BY SCIENCE PRESS &



SPRINGER