

Table of Contents

Volume 11 Number 11

November 2023

The Role of Artificial Intelligence in the Medical Field

S. Kapa..... 1

Technological Readiness as Mediator to Adoption of E-Governemnt Services in Zanzibar SMEs

M. A. Makame, M. Kuppusamy, A. Sannasai..... 17

ARM-Based Embedded System Platform and Its Portability Research

H. Liu..... 51

An Activity Recognition System at Home Based on CO₂ Sensors

H. Matsubara 64

A Spectrum Occupancy Model for Primary Users in Cognitive Radio Systems

Y. Y. Cao, Y. Q. Zhao, H. H. Li..... 78

Design of a Neural Network Based Stable State Observer for MIMO Systems

J. G. K. Wamba, E. M. D. Djomadji, J. C. L. Ng'anyogo, A. R. B. Fouba, A. Tiedeu 87

Contribution for Efficient Planning of Millimeter Wave Frequencies:

Case of the 80 GHz E-Band for High-Speed Broadband Transmissions

P. D. B. Kenfack, A. B. Abana, E. Tonye, P.-S. Ngohe-Ekam, J. N. Nga..... 111

Assessing Policy Measures Safeguarding Workers

from Artificial Intelligence in the United States

Y. N. Zhao, K. Jakkampudi..... 149

Abnormal Flight Passenger Recovery Algorithm Based on Itinerary Acceptance

J. M. Sun, H. M. Li..... 167