Contents

Editorial: Strong growth ................................................................. v
PHILIP MACHANICK

Reviewed Articles

MUUX-E, a framework of criteria for evaluating the usability, user experience
and educational features of m-learning environments .............................. 1
PATRICIA HARPUR & M.R. (RUTH) DE VILLIERS

Block RAM-based architecture for real-time reconfiguration using Xilinx® FPGAs ...................... 22
RIKUS LE ROUX, GEORGE VAN SCHOOR & PIETER VAN VUUREN

A social representations analysis of design science research .............................................. 33
RENNIE NAIDOO, ALTA VAN DER MERWE, AURONA GERBER & ALAN HEVNER

An insider threat neutralization mitigation model predicated on cognitive dissonance (ITNM\textsuperscript{CD}) .... 50
KESHNEE PADAYACHEE

The factors that influence customer e-services adoption ................................................... 80
KAMISHA PERSAD & KESHNEE PADAYACHEE

Intelligent system design using hyper-heuristics ......................................................... 107
NELISHIA PILLAY

Hardware genetic algorithm optimization by critical path analysis using
a custom VLSI architecture .............................................................................. 120
FAROUK SMITH & ALLAN EDWARD VAN DEN BERG

Applying long short-term memory recurrent neural networks to intrusion detection ............. 136
RALF C. STAUDEMEYER

User-centered applications: Use of mobile information technologies to promote
sustainable school healthcare services ......................................................... 155
ALIDA VELDSMAN, DARELLE VAN GREUNEN & JOB MASHAPA

Viewpoint Articles

Burning money with firewalls ........................................................................... 165
RALF C. STAUDEMEYER & JAMES CONNAN