

Editorial note

Welcome to Volume 2 of the Electronic Journal of Informatics, which is an annual publication produced by the Faculty of Business and Informatics, Divine Word University. Publication of this journal began in 2019 to promote research culture through intensified research and knowledge exchange from its contributors.

Joseph Kim Suwamaru (PhD) explains how the Kumul submarine cable network could change the telecom industry landscape in Papua New Guinea (PNG). However, he argues that a truly high-speed internet experience will be minimal at the network periphery where most of the end-users in PNG are located. The anticipated socioeconomic benefits of KSCN and economies of scale at competitive prices can only be enjoyed if the regulator and stakeholders improve competition at the 2nd tier. He argues that the optical fibre needs to be available as close as possible to the end user's premises and made accessible through affordable and competitive pricing.

Peter Anderson (PhD) presents solutions to the second-order homogeneous linear differential equation as a set of harmonic oscillations characteristic of various electrical systems and corresponding mechanical systems such as occur with vibrating air columns and other elastic media. He then focuses on the phenomenon of resonance which occurs in driven vibrating systems including musical instruments.

Peter Anderson (PhD) and Dulcie Kaivika show that modelling of volcanic eruptions with the Poisson distribution of discrete random events has limited application in the present context because of the strict requirements of Independent Identically Distributed data and a fixed rate of occurrence of events λ . They note related continuous exponential distribution models inter-

event times under the same assumptions, and that the exponential distribution is a special case of the Weibull distribution. This latter distribution incorporates a time variable t and allows λ (now $= \lambda(t)$) to vary as a function of time. They show that the Weibull model allows greater flexibility for modelling a wider range of volcanic types.

Allan Sumb provides an analysis of students' interests and motivations towards tourism studies in Tusbab Secondary School in Madang, PNG. He found that there is great interests and motivation to study tourism in secondary schools due to the benefits and positive impacts of tourism. His findings add to the literature by offering a better understanding of tourism studies in secondary schools in PNG.

Martin Daniel (PhD) presents some of the main factors including learning styles, personal characteristics, academic ability, attitudes, infrastructure, resources, knowledge and skills, and training and support could potentially affect e-learning adoption by students in PNG educational institutions. He argues that these factors need to be properly addressed for further adoption of e-learning.

Dr Martin Daniel (PhD)