

Editor's Column

Mladen Knezic

Chop your own wood and it will warm you twice.

Henry Ford

Editorial Letter

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THIS is the first issue in 2019 and it brings four regular papers that address different challenges in diverse topics within the scope of the *Electronics* journal.

The paper “Mitigation of Fiber Nonlinear Effects in 1.28 Tbps DQPSK Modulated DWDM System” by T. Huszaník, J. Turán, and L. Ovseník explores limiting factors of high capacity multichannel Dense Wavelength Division Multiplexing (DWDM) imposed by fiber nonlinearities. The authors have developed a numerical simulation model of 1.28 Tbps DWDM system in order to address some of the aforementioned challenges and they have presented several methods to mitigate fiber nonlinear effects.

The paper “Two element folded meander line MIMO antenna for Wireless applications” by S. Chouhan and L. Malviya describes a design of compact low profile folded MIMO antenna for 5.2 GHz applications. As reported by the authors, the antenna has bandwidth of 600 MHz, 11.32% fractional bandwidth, compact size, and return loss of -44 dB. The

authors also evaluated the radiation effect on human body in different positions for indoor environment.

The paper “DC Hard Faults Detection and Localization in Analog Circuits Using Fuzzy Logic Techniques” by M. Merabet and N. Bourouba demonstrates a novel technique based on the use of a fuzzy logic system and simulation before test (SBT) approach for detecting hard faults in analog electronic circuits. The proposed method has been validated on an example of inverting amplifier with uA741 operational amplifier, and its applicability has been demonstrated through a set of different experiments.

The paper “The Investment Justification Estimate and Techno-economic and Ecological Aspects Analysis of the University Campus Microgrid” by N. Savić, V. Katić, B. Dumnić, D. Milićević, Z. Čorba, and N. Katić presents the plan and design of an idea of microgrid at the Faculty of Technical Sciences in Novi Sad (FTN NS). The authors have described the main technical characteristics, the estimation of electricity generation and the amount of non-polluted gaseous greenhouse effect for each distributed energy source.

I thank the authors for their contribution to this issue of the journal. I also thank all the reviewers for providing valuable comments to the authors, which definitely improved the content quality of this issue.