Research Article

**The increasing frequency of president donald trump’s social communications: Is there a limit?**

Published On: July 28, 2020 | Pages: 034 - 036

Author(s): Cynthia Whissell*

Since he became president of the US in 2017, Donald Trump has been tweeting more and more frequently on a daily basis, to the point where both political analysts and the general public have begun to comment. In several cases, more than 100 tweets have been posted in a single day. The president has other means of communicating via social media but currently tweets post ...

[Abstract View](#)  [Full Article View](#)  [DOI: 10.17352/tcsit.000016](#)

Research Article

**Energy trading systems on blockchain networks**

Published On: July 07, 2020 | Pages: 018 - 022

Author(s): Jae Geun Song and Ju Wook Jang*

Traditional energy trading system has some weakness in terms of network attack. So blockchain is considered for P2P energy trading systems to evade network attacks. We consider three energy trading systems on blockchain which are centralized energy trading system with one producer, P2P energy trading system with DSO and P2P energy trading system with smart contract. A ...

[Abstract View](#)  [Full Article View](#)  [DOI: 10.17352/tcsit.000014](#)

Research Article

**Dual-nature biometric recognition epitome**
All humans are born with unique physically identified body characteristics to other persons which remains unchanged throughout life. These characteristics are taken into account by the emerging technology to get recognized from person to person. The technology used by the traditional human identification system sometimes becomes inefficient when data or images receive ...

**Comparative analysis of speech coders**

In this paper a comparative analysis of some of the most popular speech coders is presented. Qualitatively and quantitatively are tested Linear Prediction Coding in its implementation LPC-10e and with the use of auto-correlation and covariance, companding coding including A-law and μ-Law, ADPCM IMA, G.726 A- and μ-Law, and a fully featured MELP coder. All of them prov ...

**Review Article**
**DyEnTRAM- Dynamically Enhanced Metadata based Approach for Bug Assignment**

Published On: July 11, 2020 | Pages: 023 - 033

Author(s): Asmita Yadav* and Sandeep Singh

Background: In open source repositories, daily numerous bugs are reported and making manual triaging difficult as well as time consuming. Aim: In this paper, we proposed a Dynamically Enhanced Metadata based approach for bug assignment (DyEnTRAM). Unlike TRAM, that worked on additional metadata features which are selected by Feature Selection (FS) algorithms that em ...

- Abstract View
- Full Article View
- DOI: 10.17352/tcsit.000015

**On a new algorithm for computing GCD of integer numbers**

Published On: July 06, 2020 | Pages: 015 - 017

Author(s): ST Ishmukhametov*, BG Mubarakov, RG Rubtsova and Al Khalidi Arkan Mohammed

In the paper we give an introduction to a new algorithm counting the greatest common divisor (GCD) of natural integers called the approximating GCD algorithm introduced by S.Ishmukhametov in 2016. We compare it with the classical Euclidean GCD algorithm and the kary GCD algorithm in spirit of J. Sorenson and K. Weber and outline their advantages and disadvantages. ...

- Abstract View
- Full Article View
- DOI: 10.17352/tcsit.000013

**Creation of an artificial intelligence system for analysis of theoretical Current-Voltage Curves**

Published On: June 19, 2020 | Pages: 005 - 007

Author(s): AV Kovalenko* and MKh Urtenov

We have developed the “Deep learning for CVC 0.1” software package, which contains databases and knowledge bases
of theoretical Current-Voltage Curve (CVC) using the method of deep machine learning (Deep learning). The developed software package allows you to simulate mass transfer in Electromembrane Systems (EMS), which has a single interface with a built-in help sys ...

Abstract View  Full Article View  DOI: 10.17352/tcsit.000011

Perspective

A useful taxonomy for adversarial robustness of Neural Networks

Published On: August 05, 2020 | Pages: 037 - 041

Author(s): Leslie N Smith*

Adversarial attacks and defenses are currently active areas of research for the deep learning community. A recent review paper divided the defense approaches into three categories; gradient masking, robust optimization, and adversarial example detection. We divide gradient masking and robust optimization differently: (1) increasing intra-class compactness and inter-cl ...

Abstract View  Full Article View  DOI: 10.17352/tcsit.000017