

Latest developments in electronics and communication engineering

Engineering as a rocket science for invention

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ABSTRACT

In this very confidential discussion we have spoken about fiber optics, antennas, electronic circuits, signals and systems, image processing, electronic devices, control systems, analog,digital and other types of communications, and various other major concepts of engineering and computer science.

Introduction:

We have spoken about control system theory of graphs and flow diagrams which try to control a missile to hit an intruding or any object with immense fidelity and perfection. Fidelity is a concept used in communication for detection of errors in communication. Signals and systems concepts is used in this with all the major rules and fundamentals playing a major role. We have tried to summarize all the major things in this paper.

Op amps is a system we have used to maximize or multiply power or signals power. It is a multiplier to the input where there is a feedback system.

Shannons theory is a major role which involves a information as a bit of information given as a logarithm. Then we have all the concepts of electrical and computer engineering where the major elective being complex numbers which are nothing but imaginary numbers $z_1 z_2$ which represent algebraic equations of parabola, hyperbola, circle, and all the various curves. So we have tried to depict all the major concepts of this branch of study. Signals and systems playh a major role as the signals are transmitted at the speed of light and fourier and laplace transforms are used in this form of communication. Though we will not go deep how fourier and laplace transforms are used in this study.

So again going forward in our discussion. We want to find out a fiberoptic optic biosensor and why it is good in helping us find out the materials such as white blood cells and red blood cells, bacteria, pus, urine and hstool in our body and in what concetration by the process of dielectrophoroses.

Okay that is something we will simulate by COMSOL if possible as laboratory for experimentation is maybe vulnerable and slightly hanky panky or difficult to find, but we will try to simulate our sensor.

Again going a step at a time, we have showed immense interest oion computer department as already started our talk on complex numbers.

Computer science is a branch of cryptograjhy and security, information retrieval, databases, data networks, and various other subjects such as machine learning and other major fundamental research in mathematical computer science.

Okay we are very good to go next topic.

Let's talk about antenna design which involves mostly smart antennas which are 801.11 AC M in which we reduce the side lobe to enhance directivity.

Okay mathematics of electronics and computer science are also way apart in this concepts.

Mathematics of both is having complex numbers as common.

Okay design patterns is what we have missed which help us in software designing simplified.

Circuit design by Thevenin, Norton, kirchoff and amperes law form the cornerstone of our research.

Okay very well let's go deep into all these concepts with our major publications going into IEEE conferences, springer, emerald, taylor and francis, wiley, iee transactions and various other good sources.

Stay tuned!

Conclusion: Kindly try to read the works of Sunitt Shantanu Digamber Fulari for all his hard work in research in all of these major channels where the papers are published. They hold major computational significance in all the researchers lives.

