



KeyNote

IEEE CS GECBH

01

1ST JUNE 2020

Your Key Into Our Tech World

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INTRODUCING

IEEE CS EXECOM 2020

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Internet of Things Meets the Military and Battlefield: Connecting Gear and Biometric Wearables for an IoMT and IoBT

The future of military combat is going high-tech as scientists create an IoT for combat gear embedded with biometric wearables to help soldiers identify the enemy, perform better in battle, and access devices and weapons systems using speedy edge computing.

Researchers say one key element of healthy IoBT/IoMT is a strong edge architecture that uses biometrics, environmental sensors, and other connected devices to send and receive data quickly, allowing military personnel to respond to potentially dangerous situations on the battlefield

New Software Streams Apps to Save Space on Your Phone

The developers showed in a study how the software, called "AppStreamer", cuts down storage requirements by at least 85% for popular gaming apps on an Android. A new software was developed in Purdue University that "streams" data and code resources to an app from a cloud server when necessary, allowing the app to use only the space it needs on a phone at any given time. It's like how Netflix movies aren't actually stored on a computer. They are streamed to you as you are watching them

by Abirami Chandramouli
S4 IT



IEEEExtreme Corner

IEEEExtreme is 24 hours online coding competition that features some of the difficult at the same time exemplary questions. This column will contain facts about IEEEExtreme as well as some tips that will be helpful while attempting the competition.

This year IEEEExtreme will take place on 24th October. A team of three can participate in the competition and all the team members need to be IEEE members. Stay tuned for more!!!

- Several certifications, **educational and professional**, are available on the **IEEEExplore** website on developing topics like **5G, Blockchain, Artificial Intelligence** and more for a nominal fee (For both members and non members.)
- **IEEE Collabratec Platform** recently launched the "**IEEE Discover Badge Challenge**", where members can collect badges by doing various activities for a chance at winning prizes.
- **IEEE Centre for Leadership Excellence** is currently conducting **Volunteer Leadership Training Program (VoLT)**. The program consists of two tracks and applications for the same are due July 31st. More information available at https://iee-elearning.org/CLE/static/mga_voltprogram.html
- **Mars Space Colony: A Game of Standardization** is a fun and effective way to learn more about working in teams, negotiating and consensus building. The game is available on the IEEE Standards University website.

PAST EVENTS

- Webinar on Big Data
- <Web Adept>
A front-end development competition.
- ABCD (Any Body Can Debug)
A code debugging competition.
- Webinar on Digital Content Creation
- Webinar on Ethical Hacking.

UPCOMING EVENTS

- Webinar on "Opportunities for a First-year engineering student"
This session aims at providing useful information to students who are interested in this field.

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Send in your answer at ieecsgcebh@gmail.com

DIFFICULTY LEVEL ★★☆☆☆

HYDRALOOP

The Hydraloop is a compact water recycling system that cleans and disinfects shower, bath and washing machine graywater. This water can then be reused for other purposes like gardening, showering etc. Hydraloop can help users reduce water consumption by 45%. This is especially useful in places where fresh water is scarce.

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by Karun Krishnan
S6 IT



Vuforia Chalk—Telemedicine for the Industry

Remote Assistance with Augmented Reality (RAAR) enables technicians and experts to work together, while physically separated, allowing them to solve problems faster and more effectively.

RAAR systems ensure knowledge transfer and collaboration to keep processes running in times of crisis like these.

"Chalk RAAR enables communication experience through the Vuforia AR Platform. It allows people in different locations to share a live view of the same environment, and draw simple annotations called Chalk Marks. Chalk Marks appear anchored to objects and surfaces in the environment, as if drawn on the objects and surfaces themselves."