Abstract

As the technology developed over by time people wants to get along with it. One such technology is the virtual and voice integrated environment, there has been several research going on with these technology, it is so far in the development stage. In this paper creating this technology by using a 3D frame which can rotate about 360 degree and monitor every movement for the virtual control environment and the XML coding overlay upon the windows speech recognition for the voice integrated environment by combining these two with the Internet of Things We are taking this technology to the next level by creating a complete and total control over any IOT enabled devices and the PC. By combining all this technology into a
single unit it can serve wide range of applications such a starting from taking a full control over 
PC to automating a day to day electronic devices. There is no limit to the number of possible 
combinations so the application will be limitless. In this paper the work is on a complete virtual 
and voice environment with the cutting edge virtual and voice platform which are in 
experimental stage. This paper have also devised a prototype with virtual capacitative 
environment that works on the basic concept of capacitive effect yet the prototype environment 
was a highly successful model that transformed basic capacitance into a highly accurate virtual 
control environment.

References

- Shiguo Lian, Member, IEEE, Wei Hu, Kai Wang "Automatic User State Recognition 
  for Hand Gesture Based Low-Cost Television Control System"; Huawei Central Research 
  Institute, China, 2014.
- Andrea Zanella, Senior Member, IEEE, Nicola Bui, Angelo Castellani, Lorenzo 
  Vangelista, Senior Member, IEEE, and Michele Zorzi, Fellow, IEEE "Internet of Things for 
  Smart Cities"; IEEE INTERNET OF THINGS JOURNAL, VOL. 1, NO. 1, FEBRUARY 
  2014
- Fagen Li and Pan Xiong "Practical Secure Communication for Integrating Wireless 
  Sensor Networks Into theInternet of Things"; IEEE SENSORS JOURNAL, VOL. 13, NO. 
  10, OCTOBER 2013
- A E Mahdi and L Faggion, "Non-contact biopotential sensor for remote human 
- S Sharma and M M Turner, "Critical evaluation of analytical models for stochastic 
  heating in dual frequency capacitive discharge"; Journal of Physics (2013)
- Xi Lin Chen, Valerio De Santis and Aghuinyue Esai Umenei, "Theoretical 
  assessment of the maximum obtainable power in wireless power transfer constrained by human 
  body exposure limits in a typical room scenario"; Journal of medicine and biology (2013)
- Rizzo, A., Hartholt, A.; Grimani, M.; Leeds, A.; Liewer, M. "Virtual Reality 
  Exposure Therapy for Combat-Related Posttraumatic Stress Disorder"; Journal of computer 
  science , Volume:47 Issue:7 ,2013
- Callaghan, M. Sch. of Comput. & Intell. Syst., Univ. of Ulster, Derry, Ireland Gomez 
  Eguiluz, A.; McLoughlin, G.; McShane, N. "Opportunities and challenges in virtual 
  reality for remote and virtual laboratories"; Remote Engineering and Virtual Instrumentation 
  (REV), 2015 12th International Conference, 2015
- A. S. Go, D. Mozaffarian and V. L. Roger "Heart Disease and Stroke Statistics 2013 
  Update: Report from the American Heart Association Statistics Committee and StrokeStatistics 
  Subcommittee, 2013
- J. Tretriluxana, N. Runnarong, S. Tretriluxana, N. Prayooniwat, R. Vachalathiti 
  and C. Weinstein "Feasibility investigation of the Accelerated Skill Acquisition Program 
  (ASAP): Insights into reach-to-grasp coordination of individuals with postacute stroke"; 
- A. S. Go, D. Mozaffarian and V. L. Roger "Heart Disease and Stroke Statistics 2013 
  Update: Report from the American Heart Association Statistics Committee and StrokeStatistics
Subcommittee, 2013

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