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Charles Sarraf, <u>Firas Ousta</u> , Nidal Kamel, Mohd Zuki <b>Doi: 10.7321/jscse.v2.n3.1</b>	
<b>Abstract.</b> 4G network or Heterogeneous wireless access network will integrate existing wireless access technologies (e.g. 2G, 3G, WiMAX, WLAN, etc...) in order to provide, transparently, end-users with the “best” service through connecting their mobile devices at any time to the best available radio network. In that context, mapping the QoS classes between these different access networks becomes a big challenge. In this paper, we propose a method of mapping between the CoS of UMTS and QoS categories of WiMAX in a tight coupling architecture of Heterogeneous Wireless Access Network (HWAN).	
<b>Web 2.0-Based Academician Profile Information System</b>	15-23
<u>Lee Beng Yong</u> , Rosita Suhaimi, Iris Syawe Seh Ling, Robert John Jingut, Hawa Nahar <b>Doi: 10.7321/jscse.v2.n3.2</b>	
<b>Abstract.</b> The Publication, Training, and Research Administration System (PuTRAS) is an information system developed through in-house development for keeping academician profiles for Universiti Teknologi MARA, Sarawak Campus in Web 2.0 environment. This paper addresses the experiences in the process of acquiring requirement, creating the design through rapid prototyping, implementing the solution, and the evaluation and testing of that solution in read/write Web 2.0 environment. A unique feature in PuTRAS is to allow staff to provide and monitor their own records, which later are validated by authorized users of the system. This feature of PuTRAS has significantly simplified the conventional record keeping process and ensured that important records of the staff are authentic. A simple questionnaire was used to collect feedback from various users and the analysis shows a very positive result on user satisfaction towards the usage of the system. Lastly, this paper will share some pre-post experience of PuTRAS implementation. Awards won by this project are also listed at the end of this paper.	
<b>Improved Camshift with adaptive searching window</b>	24-36
<u>Aixia Wang</u> , Jingjiao Li, Zhenlin Lu <b>Doi: 10.7321/jscse.v2.n3.3</b>	
<b>Abstract.</b> Camshift is widely used real-time algorithm in video target tracking field. The size of searching window (SW) is a key factor of Camshift, and bigger or smaller size of SW will both decrease the real-time feature of Camshift. In this paper, a accelerated Camshift with adaptive searching window (ACASW) was proposed. Firstly the meanshift process and computational cost (CC) were modeled, and the relationship between the size of SW and CC was analyzed quantificationally, then the optimized size of SW was deduced, which was used in the proposed algorithm. From the experimental results it can be seen that, compared to the traditional Camshift with fixed EW, the proposed algorithm can reduce the computing time effectively, which improve the real-time feature of the algorithm.	

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