

招待講演

「グリーン&共生」情報処理へ向けて

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Abstract

In search of a better and convenient life we forget to take care of the universe and its environment. A prime example is the undeniable phenomenon of global warming. But many developed countries are still reluctant to take bold steps to prevent further deterioration of world atmosphere. In midst of such deliberation, Japan has taken a very courageous step to control the green gas emission to reduce it by 25% within next 10 years. But to achieve this ambitious target to Green, I think we need an extra factor, which we call ' α ' to integrate the past success of industrialization and Green.

None other advancement is as rapid as computer and the use of Internet. It had penetrated so much so, it has become almost impossible to think our life without them. And it future it will only grow wider and faster. In view of that we can perceive a transformation from the present Information society to a new society, that we named as Symbiosis society. We have already witnessed that, invention of new technologies has made a huge impact in our life style and the society itself. Though it may provide various advantages and convenience, at the same time many social problems have also arisen. Traditional ubiquitous environment can be considered as consists of two computing aspects: Mobile Computing and Pervasive Computing. We then define the two cases of advanced ubiquitous computing. To realize a symbiotic society, where human and computer will co-exist in cooperative manner to the betterment of life and society we propose a new 3rd axis to alleviate the predefined problem, and by integrating these three axes, we created the Symbiotic Computing paradigm.