S4-2 Research on Pervasive Computing and Smart Application

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Abstract

As a new distributed computing model, pervasive computing provides the ideal paradigm of '*Machines that fit the human environment instead of forcing humans to enter theirs*'. It converges physical space, cyber space and user space seamlessly by sensing their physical environment and adapting their behavior accordingly. In this talk, I will give introduction to pervasive computing and discuss the related research issues and key technologies. Then I will introduce some of our work in pervasive computing, esp. network interconnection, resource sharing, and service cooperation. At last I will give some scenarios and cases we have applied the technologies of pervasive computing.