

Keynote Speech 6 :

The Convergence of Computing and Communication

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Abstract:

Today we are in the middle of a fundamental paradigm shift in the computing and communication industry. With new exciting and emerging technologies the world of computing and communications is converging towards an integrated and ubiquitous environment where all computing devices also communicate and all communication devices perform data processing and computational tasks. Hence, the traditional separated industries and technologies come together to provide better and innovative solutions for a wide range of applications areas. A vital part of such new solutions are advanced Computing, Internet, Mobile, WiFi/WiMAX and RFID technologies. We will review some of the basic technical hardware and software building blocks for the converged computing and communication environment and infrastructures, as well as examine some new and developing usage models such as Mobilized Infrastructures, Digital Home, Digital Enterprise, eLearning, eGovernment and eHealth. Several emerging solutions in those areas are already changing the way day-to-day work is done today and will be done in the future for higher quality and productivity, and last but not least more flexibility.