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Sommario/riassunto

Embedded and ubiquitous computing is an exciting new paradigm that provides computing and communication services all the time, everywhere. Now we can attach computing and communication devices to human bodies to monitor our health, embed computing chips into brains to cure memory losses, or make smart fabrics so they can change colors or generate heat. All these new devices are created to the benefits or convenience of human lives. We need creativity as well as the advance of technology. This emergence is an outcome of research and technological advances in embedded software, embedded hardware, pervasive computing and communications, wireless networks, mobile computing, distributed computing and agent technologies, etc. The EUC 2006 conference provided a forum for engineers and scientists in academia, industry, and government to address challenges and to present and discuss their ideas, results, work in progress, and experience. The Technical Program Committee of EUC 2006 was led by the TPC Chair, Edwin Shan, and 13 TPC Vice Chairs. A strong international Technical Program Committee was then formed to review, evaluate the submissions, and select the papers to be presented.