

特別講演のご案内

日時：平成24年11月16日（金） 14:40～16:10

場所：情報工学府 総合研究棟7F 大学院セミナー室

講師：Dr. Robert Aitken
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講演題目：

Trends in Low Power Embedded Processors or How Smart Phones Can Keep Getting Smarter

概要：

Embedded microprocessors lurk everywhere today. Not just in smart phones, but also in intelligent television sets, reasonably clever picture frames, and precocious thermometers. Historically, two main trends are responsible for this proliferation. Most people are aware of the ongoing ability to construct ever smaller and faster circuits, but the ability to power these circuits efficiently with only minor improvements in battery technology is an equally important enabler for today's mobile lifestyle. This talk begins with a brief journey through the history of the embedded processor, then moves on to a look at the issues faced in recent technology generations and some circuit and architecture techniques that have been developed in response to them. The talk concludes with an outline of some of the challenges ahead and some of the approaches being proposed to address them.

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