

Developing Java Applications for Limited Devices

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Abstract Devices such as mobile phones, PDAs and information systems in cars are getting more advanced and wide-spread every day. This drives a vastly growing demand for flexible embedded software that can be developed quickly. Traditionally, embedded software is developed in a platform specific, non-object oriented fashion using rather primitive development tools. Lately, a shift is made to more advanced forms of software development, using object orientation, platform independence and integrated development environments. Since Java technology is currently one of the main technologies that has these desirable properties, efforts are made by the computer industry to enable Java for embedded software development. In our presentation we will address the major issues such as having limited resources and timing constraints. To show the current state of the art, we will also give a demonstration of the development process of Java applications for the PalmOS platform using IBM's Visual Age Micro Edition. More information: eliens@cs.vu.nl

<http://www.cs.vu.nl/~oo>