

Joint VIVIAN-ROBOCOP Workshop

(in conjunction with [EDOC 2002](#))

September 16, Lausanne, Switzerland

Theme

Supporting the development of component-based applications for consumer devices

- Scope** Mobile communication, personal computing, distributed information services and consumer devices are of a global strategic importance in the near future. Commercial products have just started making their appearance but their capabilities are still rather modest, their ability to connect with remote information services and the INTERNET is limited, and the number of available software applications for them is very small in comparison to corporate IT systems. The market of consumer devices covers a wide variety of computer devices with very diverse characteristics and needs, ranging from home appliances (e.g. refrigerators and TV sets) to personal devices (e.g. mobile phones). To enable the growth and ensure the prosperity of this market, there is a need for the appropriate software infrastructure (i.e. middleware, development frameworks and platforms, and domain specific services) which will enable third party developers of applications and services to implement and deploy their products on the new generation consumer devices. In this context, component-based software will play an important role in the development of the software infrastructure support as much as in the development of the applications and services for the consumer device market.
- Topics** We invite contributions on all aspects of software infrastructure support for component-based applications targeted at the broad domain of consumer devices. Papers must describe original work and must not have been accepted or submitted for publication elsewhere. Submitted papers will be evaluated for technical contribution, originality, and significance. Major topics of interest include, but are not limited to:
- Component-based middleware for consumer devices
 - Development frameworks and platforms for software system targeted at limited resource devices
 - Software infrastructure support for component-based, mobile applications
 - System/Software Architecture for ubiquitous applications running on limited resources devices
 - Middleware support for nomadic applications
 - Groupware services for mobile applications
 - Fault-tolerance in future consumer devices
 - Security concerns in future consumer devices
 - Software upgrade and dynamic reconfiguration in future consumer devices
 - Domain specific services for mobile applications
- Submission** Papers should not exceed 8000 words. Submissions should be prepared in PDF (preferred) or PostScript format printable on A4 paper-format and sent to Titos Saridakis (titos.saridakis@nokia.com) or to Ronan MacLavery (ronan.maclavery@nokia.com)
All paper submissions will be carefully reviewed by at least 3 international experts and comments will be returned to author(s) with each review.
- Important dates**
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| Paper submission: | June 14, 2002 |
| Notification to authors: | July 26, 2002 |
| Camera ready copy: | August 23, 2002 |
- Organizers** VIVIAN / [ITEA 99040](#) <http://www-nrc.nokia.com/Vivian/>
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