



BCS SPA Specialist Group

SPA-200 – 6:30pm Wednesday 6th September 2006
(Complimentary sandwiches and refreshments from 6pm)

Spa

Venue: BCS Davidson Building,
5 Southampton Street, London WC2E 7HA

Map: <http://www.bcs.org/>

Admission Free – Please pre-register by 30th August at <http://bcs-spa.org/> – click “Next Meeting”

Please note: this meeting is organised jointly with the BCS Open Source specialist group and is open to all. Members of the Wireless IT specialist group may be particularly interested in attending.

Adapting Mobile Systems Using SATIN **Stefanos Zachariadis, Zuhlke**

Synopsis

SATIN is an open source framework for mobile systems. SATIN allows mobile application developers to engineer component based systems, which can adapt at runtime (by acquiring and dropping functionality) to changing requirements. It has two implementations – Java (J2ME) and C, and runs on a variety of hardware from sensors to PDAs.

SATIN can really scale down (to 8MHz 16 bit CPUs with 10KB of RAM), while still providing dependency management, dynamic component loading and a full component lifecycle. This opens up a range of possibilities for mobile application development, which has traditionally been limited to monolithic and static applications. SATIN has already been extensively used by European Union projects and by the European Space Agency.

Speaker Biography

Stefanos Zachariadis graduated with a PhD in Computer Science from University College London in May 2005. During his studies and career, he has worked with resource constrained, mobile and peer to peer systems, as well as data sharing and security architectures. He has published extensively about his work, and has worked with the European Space Agency and the European Union. He is also an open source advocate. He currently works at Zuhlke Engineering as a software engineer.

BCS Software Practice Advancement SG meetings organiser: Immo Hüneke [Immo@Huneke.Co.UK]

Normal monthly meetings are open to all – Admission free. Pre-registration is requested for security reasons. We reserve the right to restrict entry if the venue reaches capacity and not to admit those not pre-registered.

Meetings Schedule: see the pre-registration page in the BCS SPA Wiki. Next meetings:

- Friday 11th August 2006 10am-5pm: miniSPA
- 6th Sept 2006: SPA-200 – Stefanos Zachariadis, *Adapting Mobile Systems using SATIN*
- 13th Sept 2006: SPACam-007 – the Past, Present and Future of Software Architecture
- 4th October 2006: SPA-201 – Kal Ahmed, *Topic Maps*
- 25th November 2006: PoMoPro – first international conference on Postmodern Programming