Creating the Information-Anywhere Architecture.

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Whether one is a 'Road Warrior,' telecommuter, or a primarily deskbound worker, the distinction between work and other contexts is becoming less distinct, and the need to access information from multiple spaces becomes increasingly important. Combining 'always-on', 'always-connected' home and work PCs, web, and wireless telecommunications enables individuals to remain one with their information in a way never before possible.

This tutorial combines discussion and live demonstration to present an architecture for creating a personal information space accessible from the web, handheld and wireless devices. In addition, the tutorial will detail and demonstrate programming the PalmOS and digital wireless telephones.

This tutorial offers an in-depth discussion and exploration of:

- Email Fusion
- Wireless applications architectures.
- Safe access to information behind firewalls
- The Roku Information Model (RIM), and Roku, a personal context engine.
- Handheld Device Markup Language (HDML)
- Wireless Markup Language (WML)
- Wireless SDKs from Nokia and Unwired Planet.
- The Palm SDK, the Java KVM, and Java Conduit Kit

Dana Moore acts as Chief Scientist for Roku Technologies, a company focused on creating active information spaces and information switching. His research specialties are agent-based systems and information fusion. He holds a Master of Science in Technology Management from the University of Maryland, College Park, and a Bachelor of Science in Engineering also from the University of Maryland. Dana has over twenty years of experience in designing distributed systems and has written numerous articles on topics ranging from active object data bases to self-managed work teams. Dana is a founding member of the Agent Society and sits on its Board.

Prerequisites: some programming experience or familiarity with markup languages such as XML or HTML would be helpful. Level: Beginner and Intermediate, however, non-programmers may also benefit from the architectural portion of the discussion.