Aspect-oriented Programming with AspectJ

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AspectJ is a seamless aspect-oriented extension to Java. It can be used to cleanly modularize the crosscutting structure of concerns such as exception handling, multi-object protocols, synchronization, performance optimizations, and resource sharing.

When implemented in a non-aspect-oriented fashion, the code for these concerns typically becomes spread out across entire programs. AspectJ controls such code-tangling and makes the underlying concerns more apparent, making programs easier to develop and maintain.

This talk will introduce Aspect-oriented programming and show how to use AspectJ to implement crosscutting concerns in a concise, modular way.

AspectJ is freely available at http://eclipse.org/aspectj

Erik Hilsdale is a researcher at the Palo Alto Research Center and a PhD student at Indiana University. As a PhD student he works in the area of programming languages and compilers. As a member of the AspectJ team he focuses on language design, pedagogy and compiler implementation. He is an experienced and energetic presenter with a long background with AspectJ.

Thursday, April 8, 3:40 pm, 207 Marston
Refreshments will be served afterwards in 223 Atanasoff