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## **Ioke : A folding language**

Presented by: Ola Bini of Thoughtworks

*and*

## **Firewalls and IPCop**

Presented by: Stephan V Bechtolsheim

**Wednesday June 10 2009**

Hosted by: Roosevelt University  
**430 S. Michigan Ave**, Chicago, IL 60605  
Room 232

**5:30 p.m.** Social Hour, Dinner & Refreshments  
**6:30 p.m.** Presentation

Cost (includes Dinner & Program)  
Local ACM Chapter members: \$10  
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## **Ioke : A folding language**



From Sweden, direct to Chicago, Ola Bini, will speak about why he created Ioke; a new language for the Java Virtual Machine that attempts to push the expressive boundary of computer languages.

With influences from Io, Self, Smalltalk, Lisp and Ruby; IOke can be used to build prototype based object oriented systems and Domain Specific Languages. The talk includes interesting IOke features: the object and macro systems and its integration with Java.

**Ola Bini** is a Thoughtworks developer, core JRuby developer and author of 'Practical JRuby on Rails' (Apress). He programs in Java, Ruby and LISP and has worked on several open source projects. He likes to work on languages, regular expression engines, data serialization parsers and other things found at the borders of computer science. Read about Ola, Ioke and more at: <http://olabini.com/blog>

## **Firewalls and IPCop**

What do you know about firewalls? Firewalls are an integral part of network security and since the 1980's have evolved from filter systems on stateless packets to stateful filters that correlate protocols, ports and applications. This talk will discuss general firewall principles and a contemporary example: IPCop.



IPCop is a cut-down Linux distribution that operates solely as a simple-to-manage firewall on a PC-based appliance. IPCop starts off with strict rules that allow users to do common tasks. Further customization allows the user to set up rules for TCP/IP traffic that is allowed past the firewall: email, web-browsing and more. IPCop, an open-source project, has encouraged development of addons including QoS, email virus checking, traffic summary, and enhancing proxy control.

Our speaker is **Dr. Stephan Von Bechtolsheim** (Purdue). He works for Advocate Health Systems and is well-known for his series of books on TeX.