



# NPA Academy

## June Seminar

**Tuesday, 7/22/2003 - 6 pm to 8pm**

### **Multiprocessor Computers & Supercomputing**

**Presented by Jeff Lunglhofer, Booz Allen Hamilton**

This discussion will focus on the concepts of parallel processing and the various flavors of supercomputing. Some of the highlights that we will cover include: building your own supercomputer (it's cheap and easy!), an examination of the software packages to enable supercomputing functions, and identifying applications that can benefit from supercomputing technology. Real-time demonstrations on a load balancing cluster will illustrate some of the capabilities of this technology, along with a case study on performing high speed password cracking in a clustered environment.

Mr. Lunglhofer, an Associate with Booz Allen Hamilton, currently leads penetration testing tasking for Booz Allen's west coast operations. He is also the lead developer and maintainer of a 35 CPU Linux cluster which is leveraged for a variety of research and development (R&D) as well as client service engagements. In the pursuit of corporate penetration testing efforts, Mr. Lunglhofer has developed a highly efficient parallel version of the popular John the Ripper password cracking software package. This success has highlighted the need to also develop a parallel and intelligent password generator to increase the effectiveness of the parallel John the Ripper implementation.

#### **Session will be held at Earl Walls Associates**

5348 Carroll Canyon Road  
San Diego, CA 92121-1797  
(858) 457-2400 phone

Map at: <http://www.ewalab.com/firminfo/address.htm>

RSVP is desired but not required to [academy-sd@npa.org](mailto:academy-sd@npa.org)

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Non-members \$25 per session.