

# Web Services at SLAC

Warren Matthews

# Summary

- Making use of Web Services
  - What are you doing ?
  - How can you use the IEPM web services ?

# Web Services ...

- Application-to-application (peer-to-peer)
- XML over SOAP
  - Simple Object Access Protocol
  - XML-RPC
- WSDL, UDDI
  - [Web Services Description Language](#)
  - Universal Description, Discovery and Integration

## ... at SLAC

- Use SOAP::Lite
  - Cgi-wrap area of production web server
- Sun's Web Service Development Kit
  - Tomcat
  - Java
- IBM's Web Service Development Kit

# IEPM Web Services

- Provide network performance data for resource brokers (PingER, IEPM-BW)
- Provide prediction of network performance for resource brokers (NWS)
- Provide Node information ([demo](#))
- Set TCP/IP parameters for real transfers (demo)

# Globus and OGSA

- Web Services based system will replace current Globus toolkit
- Open Grid Services Architecture is currently being standardized with Global Grid Forum (GGF)

# Further Work

- Authentication
  - SSL, OpenSAML
  - Within SOAP with WSDL description
  - Standardized
  - Implementations ?

***Any Questions.***