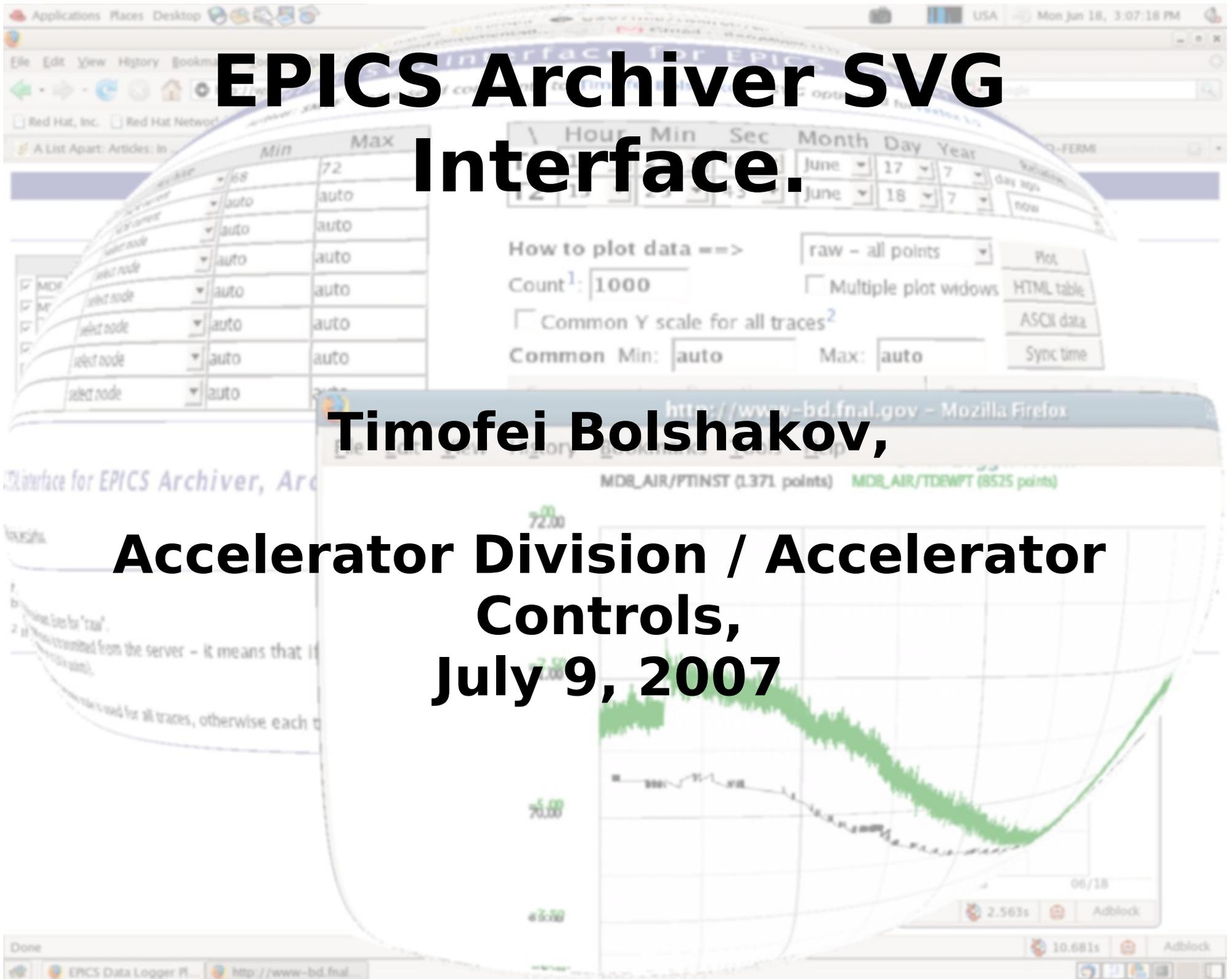


# EPICS Archiver SVG Interface.

Timofei Bolshakov,

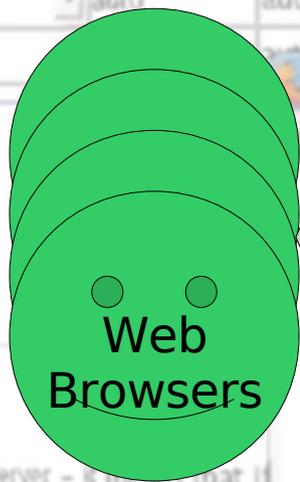
Accelerator Division / Accelerator Controls,  
July 9, 2007



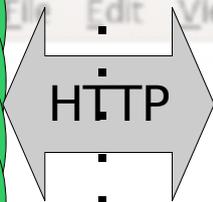
# Technologies Used

- **Channel Archiver, R 3.14.4 +**
- **XML-RPS (Apache V3+, <http://ws.apache.org/xmlrpc/>).**
- **Java Servlet 2.3+, JSP 2.1+ (Tomcat 5.5+, Jetty 6+ tested), Java SE 5+**
- **Scalable Vector Graphics 1.1 - Firefox 1.5+, Adobe SVG Viewer 3+**
- **Javascript (ECMAScript 1.4+) - IE6, IE7, Firefox 1.5+ tested.**
- **Shortly: AJAX + JSP + XML-RPC.**

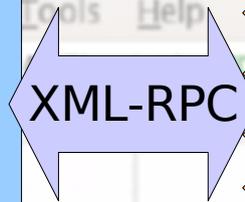
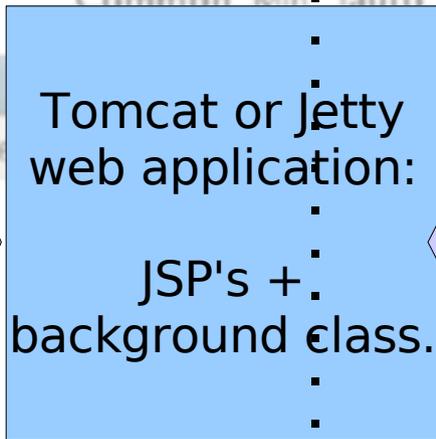
# Architecture.



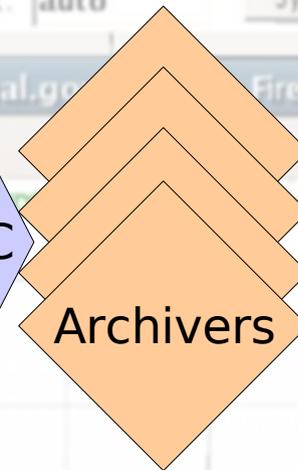
**AJAX**



HTTP



XML-RPC



Archivers

+

**JSP**

+

**XML-RPC**

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# Features.

- The further presentation suppose to be **“live”**: [http://www-bd.fnal.gov/epics\\_dl/](http://www-bd.fnal.gov/epics_dl/)
- Features to be demonstrated:
  - Explanation of options: how to plot data, scaling, T1 & T2 selection.
  - Taking data: SVG plot, HTML table, ASCII table
  - Archive / Device selection
  - Adding an archiver with name and URL.
  - Zoom and pan in IE and in Firefox.
- WAR and src.zip files available for download from the front page.

# User Requests - on the presentation:

- Export to EXCEL files.
- Save / Restore configuration - rely on default security.
- Document installation process, plugin installation process, etc.
- Format for data output (text-based).
- Printing - make the toolbar visible.
- SVG 2 PNG AJAX converter.

# What's next?

- It is intended to become “open source” software – licence etc.
- Additional features suppose to be requested by community – so, it means by YOU!
- Documentation will be extended to describe installation procedure – I would like to hear from other EPICS users.
- “Array Viewer” page is requested / suggested by Dennis Nicklaus – more requests are appreciated.