

# Welcome to BoostCon 2011!

Library in a Week

Jeff Garland

[jeff@crystalclearsoftware.com](mailto:jeff@crystalclearsoftware.com)

# What is LIAW?

- Interactive workshop on Library Design
- Driven by the BoostCon Community
- Goals
  - Learn by doing
  - Learn about Boost development
  - Learn from peers
  - Build the community
  - Build a library?

# Participation

- You will get what you put into it
- Things you can do
  - Research, write, review, present
  - Quash some bugs
- Come to the morning sessions and discuss progress

# The History

- Things We've Done
  - Collection printing
  - Algorithms
  - Database Binding
  - I/O Library
- Results
  - Lots of learning
  - Not so much code into Boost

# Suggestions from Last Year

- Coroutines
- Bug Sprint
- Bootstrap an existing sandbox library
- Library review
- Stack based allocator
- GUI library
- DSEL for compiled and interpreted code
- LINQ DSEL for in memory data
- vector/matrix library
- web framework

# Libraries in Review Queue

- Join, Pimpl, Endian, Conversion, Sorting , AutoBuffer, Containers , Lockfree, Fiber, Quaternions- Vectors- Matrices, Stopwatches, Variadic Macro Data, Type Traits Introspection, Block Pointer, Heaps, Assign v2
- Others?

# Teams

- Divide into subgroups
  - Presentations for tomorrow?
- Bug sprint team

# Review Tools

- Code Collaborator
- Crucible
- Both Web-based
  - Upload code to server
  - Review comments put in place
  - Discussion boards
- Goals:
  - Set them up
  - Try them this week – get community feedback