C++0x: An Overview

Abstract:
This Saturday (September 20), the new ISO C++ standard, C++0x, will be voted out for public review. That means that the committee consider the standard feature complete and ready for nit picking. A good programming language is far more than a simple collection of features. My ideal is to provide a set of facilities that smoothly work together to support design and programming styles of a generality beyond my imagination. Here, I briefly outline rules of thumb (guidelines, principles), with examples, that are being applied in the design of C++0x. Then, I give two large examples of new language features: concepts and generalized initialization. Since there are far more proposals than could be presented in an hour, I'll take questions.

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