Dr. Hudak was the principal organizer and chairperson of the "Haskell Committee," an international group of computer scientists who designed Haskell. He is an Editor for the Journal of Functional Programming and the Journal of Higher-Order and Symbolic Logic, and a charter member of IFIP Working Group 2.8 on Functional Programming. He is also the recipient of an NSF Presidential Young Investigator Award and an IBM Faculty Development Award. He has been chairman of the Department of Computer Science at Yale since 1999.

Musicologists have long noted subtle and complex relationships between musical compositions and mathematical structures. This talk explores a slightly different relationship: that between *musical expression* and *computer languages*.

First, the functional language Haskell is used to *describe* musical structures. Second, an *interpretation* of these musical structures is defined in terms of an abstract notion of *performance*.

The ideas presented are similar to the speaker's previous work on Haskore [1] and MDL [2], two domain-specific languages for computer music. But this talk focuses more on the algebraic properties of music, and for that purpose the design of the musical structures is simplified and altered slightly to enhance its symmetry and the applicability of algebraic methods.

Familiarity with Haskell and very basic musical concepts are all that is expected; the talk is otherwise accessible to a broad audience.
