Theme Features

4 Modula-2 Experiments Will Help Future Language Designs
Robert P. Cook

Modula-2 is a beginning, not an end. It raises three questions that could affect language-design directions into the 21st century.

7 Modula-2/MUPE-2: Language and Environment Interactions
Nazim H. Madhavji, Luc Pinsonneault, and Kamel Toubache

Programming environments must be considered during language design because the interactions between the two can affect software design.

18 A Portable Operating System Interface and Utility Library
Edoardo Biagioni, Klaus Hinrichs, Gernot Heiser, and Carlo Muller

OSSI provides the interface missing between Modula-2 and system-dependent I/O operations. It can be ported between systems with minimal changes.

Special Feature

58 Structured Programming: Retrospect and Prospect
Harlan D. Mills

Structured programming has changed how programs are written since its introduction two decades ago. However, it still has potential for more change. This article is the first in an occasional series on fundamental concepts in software engineering.

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80 Product Highlights

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