Application of Formal Methods in Industry

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ICL Defence Systems

A small formal methods group has been established over the last two years in ICL defence systems. The group has given attention to various problems in formal specification, verification and in logical foundations. A presentation will be given at the University of Cambridge Computer Laboratory at 4 p.m. on March 26th 1987, giving an overview of the work of the group with particular emphasis on applications of HOL.

Roger Stokes

Overview of Formal Methods work in DTC.
Use of the Boyer-Moore theorem prover for Hardware Verification.

Kevin Blackburn

Developing Lattice theory in HOL.

Roger Jones

Translating Z into HOL.
Overview of work on logical foundations.
Recursive data types in HOL.
Using HOL for metamathematics.