SPEAKER:

Prof. R. L. Constable

Computer Science Department

Cornell University

USA

DATE:

Thursday the 25th of November 2010

TIME:

16:30 - 17:30

LOCATION:

Heriot-Watt University, Earl Mountbatten Building; room 1.83

TITLE:

The Impact of Principia Mathematica on Computer Science

ABSTRACT:

I intend to stress the theme that programming languages, starting with Algol 60, introduced a notion of type related to PM that has steadily worked its way deep into the design philosophy of programming languages and into the logics that are used in CS to reason about them.

The programming logics arising from CS are distinct from those originating in mathematics and logic because they must deal with partial functions.