

11th Session of Lecture Series on
Formal and Logical Aspects of Computer Science

Proof-Carrying Code

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Time : Thursday, December 24, 2009 (Dey 3, 1388) 14:30 to 16:00

Place : School of Mathematics, IPM, Niavaran Square, Tehran, Iran

Abstract: Proof-Carrying code (PCC) is a mechanism by which a host system can determine with certainty that it is safe to execute a program supplied by an untrusted source. For this to be possible, the untrusted code producer must supply with the code a safety proof that attests to the code's adherence to a previously defined safety policy.

(Note : Topics covered by this lecture series are computational logic, type theory, topology in theoretical computer science, proof carrying code, formal specification and verification of systems, computability, proof theory, model checking, and so on.)