

# Lecture 21: Proof-Carrying Code and $\lambda$ -ism

*I don't think we have found the right programming concepts for parallel computers yet. When we do, they will almost certainly be very different from anything we know today.*

Birch Hansen, "Concurrent Pascal" (last sentence), HOPL 1993

*My only serious debate with your account is with the very last sentence. I do not believe there is any "right" collection of programming concepts for parallel (or even sequential) computers. The design of a language is always a compromise, in which the designer must take into account the desired level of abstraction, the target machine architecture, and the proposed range of applications.*

C. A. R. Hoare, comment at HOPL II 1993.



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# Let's Stop Beating Dead Horses, and Start Beating Trojan Horses!

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