



LSI LOGIC®

Power to the People

Gary Delp, LSI Logic
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25
YEARS



Karen Says¹:

- There has been an uprising in the industry! Customers have cried out against oppressive, proprietary standards for describing low power design intent. They have rebelled against closed activities that are not fast or inclusive. Several factions have come together to make the world a better place for low power design.
- As a supplier, what steps have you taken to address the demand for an open low power standard? What are you proud of, and what could have been done better?
- As a customer, how are you participating in the solution? What more needs to be accomplished in order to meet your needs?
- Are course corrections needed? If so, how can we as an industry effectively make them?

¹Session description

History

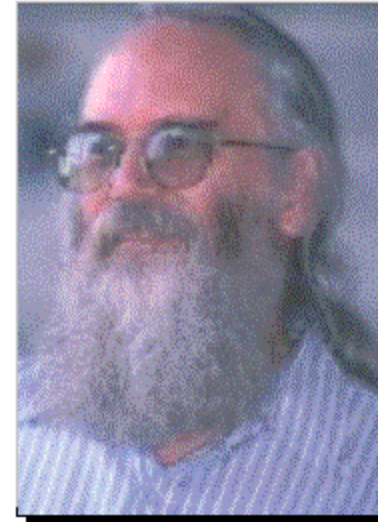
- Ad Hoc
- Avoided
- Used many point tools
- Listed to our customers
- Now proactive in encouraging unification in the flow and in the tools sets
- Tried IEEE – too early
- Neutral adjudicators required
 - E.g. the way the combination worked in SPIRIT
 - User participation needed
 - Support needed to enable cooperation
 - LPC brings utility to the process

Today

- Participate in the UPF
- Helped found the LPC
- LSI contributing architect to LPC
- Goals:
 - Design and Instance Intent solution that:
 - Is a comprehensive and consistent expression
 - Enables reuse (not embedded)
 - Extensible as we learn
 - Works within a structure that reuses verification equity
 - Reduces the rancor
 - Provides IP Protection
- It is needed, and it can happen

From Jon Postel (the Internet gatekeeper)

- Be conservative in what you produce
- Be liberal in what you accept
- Assume good intent



Jon Postel, Internet Pioneer

August 6, 1943 - October 16, 1998

"Be liberal in what you accept, and conservative in what you send."

-- jon

RFC-1122 (originates in RFC760)

"Jon has been our North Star for decades ...

He was the Internet's Boswell and its technical conscience."

-- Vint Cerf