# IBIS Models - the Thankworthy Technology

Kazuhiko Kusunoki WADOW

wado@kusunokie.com

Asian IBIS Summit Tokyo, JAPAN November 18, 2016

# 1993 The BIRTH of IBIS

The Frequency of Signal was going to go beyond the limits of "know how to base PCB design"

1993 IBISver1.0 was born

### ~1993

## SI simulation was already there

#### • Issue:

- There were not many Device models for SI SIM.
  - Needed to create by oneself.
  - The format of device model was not unified.
- The accuracy of SI SIM was not enough.
  - Many people did not believe Simulation.
  - SI SIM was unfamiliar technology.

Internet was unfamiliar technology.

# 1994 IBISver2.0 provided updated features

- There were 3 types of engineers
  - 1. IBIS model believer
  - 2. IBIS model un-believer
  - 3. Engineers who don't care

# ~1994 IBIS gained world recognition as a STANDARD

IBIS=STANDARD

## 2015 - IBIS advanced to IBISver6.1

- IBIS AMI
- IBIS Power Aware
- Easy to find IBIS on web site

## Discussion

- Are you satisfied with IBIS?
- What is the future of IBIS?
- IBIS will make my family happy?