

Jan.23 Emerging Company Guided Tour D

Tour Guide

Mr. Tamotsu Hiwatashi
Toshiba Semiconductor Company
(Special Committee,
EDSFair2009Executive Committee)

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15:05~16:15

Visited Companies

- **POLYTEDA Software Corporation**
- **Dorado Design Automation, Inc.**
- **Micrologic Design Automation Inc.**
- **Incentia Design Systems, Inc.**
- **Pextra Corporation**

POLYTEDA Software Corp.



- Company Location
 - Toronto Ontario, Canada
- Company Profile
 - innovative company with tremendous experience in developing high-end EDA software for microelectronics industry
- Product Name
 - PowerDRC/LVS

POLYTEDA Software Corp.

- Product Key Features
 - PowerDRC/LVS
 - new generation physical verification tool designed for deep sub-micron technologies
- Key Benefits
 - Significantly reduces time-to-market
 - Full chip DRC for 2 billion transistors design in less than 1 hour using 100 CPU
 - Intended for cutting-edge technologies of today and of the future (45/32 nm and below)
 - Handles extra-large designs (up to 30 billion transistors)
 - Seamlessly integrates into current design flows

Dorado

- Company Location
 - HsinChu, Taiwan
- Company Profile
 - The ECO Company!!
- Product Names
 - Tweaker

Dorado



- Tweaker Key Features
 - Tweaker F1
 - Functional ECO with minimum logic change
 - Tweaker T1
 - Multi-Mode, Multi-Corner Timing ECO
 - Tweaker M1
 - Post-Mask Metal ECO
- Tweaker Key Benefits
 - For Front-end to deliver a high quality ECO to back-end
 - A system integrated with physical and timing sign-off data
 - Reduce ECO iterations
 - Accurately predict ECO result before P&R ECO

Micrologic Design Automation



- Corporate Headquarters
 - San Jose California, USA
- Corporate Profile
 - Micrologic's technology identifies and fixes design violations (DRC and Reliability) interactively during early design stages.
- Product Names
 - nanoRVInteractive
 - VisualDRC

Micrologic Design Automation



- Product Key Features
 - nanoRVInteractive
 - Interactive Reliability Check (EM/SH, IR Drop)
 - VisualDRC
 - Interactive DRC Check & Auto-Correct
- Key Benefits
 - Significantly reduce Reliability violations
 - Significantly shorten of Reliability Sign-Off time
 - DRC Real-Time check & correction system
 - Significant shorten of DRC check iterations & time

Incentia

- Company Location
 - Santa Clara, CA
 - Hsinchu, Taiwan
 - Other channels: Japan, China, India, Korea, Israel
- Company Profile
 - Leading provider of “Fastest Timing Analysis & Design Closure” for very large nanometer designs
- Customer Success
 - From world top semiconductor, systems, fabless, and design service companies to emerging startups
 - Numerous customer nanometer tape-outs

Incentia Products

- Products
 - TimeCraft
 - Fastest signoff STA; Feature-rich LOCV; multi-thread; SI
 - TimeCraft-SSTA
 - ECOCraft
 - Highly effective post-layout power & hold-time ECO in MMMC
- Key Benefits
 - Fastest STA: 2-10X faster; extremely big capacity
 - Much shortened ECO closure cycle with the most aggressive Quality-of-Results

Pextra Corporation

- Company Location
 - College Station, Texas, USA
- Company Profile
 - Next generation parasitic extraction
 - World fastest full-chip RC field solver
- Product Name
 - PexRC

Pextra Corporation

- Product Key Features
 - PexRC
 - High accuracy (1%) fast speed (1M nets/hour)
- Key benefits
 - Significantly reduce modeling error
 - Reduce error of your current LPE tools from 10-30% to 1%
 - Model parasitic near devices
 - Accuracy and flexible inclusion/exclusion of parasitic near device