

Yu-Ting, Shen

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Profile

I got Master Degree from Department of Physics, National Taiwan University. My thesis entitled "Measurements of Branching Fractions and CP Asymmetries in $B \rightarrow \Phi\Phi K$ decays at Belle" won the Thesis Award issued by The Physical Society of Republic of China, 2006. The research results also presented in the International Conference on High Energy Physics, 2006. I also attended Belle Analysis Meeting and took work shift at High Energy Accelerator Research Organization (KEK) in Japan. During the period studied in High Energy Physics group, I touched the Linux operation system and programming that stimulated my interest. Now I have the experiences of using Linux, Solaris, HP-UX and also familiar with C/C++, FORTRAN and BASH shell script.

I worked in Taiwan Semiconductor Manufacturing Company Limited after graduation. My job focused on the development of High-Voltage SPICE Model project which includes MOSFET, BJT, Diode, Resistor, Capacitor, Back-end SPICE Model etc. I responded to the Mix-mode and BCD HV SPICE Model project with the following process technology: 0.13 μ m, 0.18 μ m, 0.20 μ m, 0.25 μ m, 0.35 μ m, 0.5 μ m, 0.60 μ m and also joined other project as a coworker. My knowledges related to semiconductor processes, device physics, and SPICE model were accumulated when I served in TSMC, I also learned other non-professional skills that include how to work well under pressure, the appropriate working attitude, concordant relation between superiors and colleagues, and well cooperation and communication between departments etc.

Now I am preparing the Graduate Record Examinations, and I expect to finish all of the processes which include examinations and applications in this year. I wish my field of vision can be extended and my thought can become more sagacious by studying abroad.

Experience

ENGINEER, TAIWAN SEMICONDUCTOR MANUFACTURING COMPANY, LTD. HSINCHU, TAIWAN 2006-2009

My job position was an engineer of SPICE Operation Program in TSMC. The major work focus on High-Voltage SPICE model developing project, it can be separated in three main different parts: probe station, SPICE model, and customer support. I responded to the try-run and automation of the probe station, but most of my time was concentrated on the SPICE model development which includes cross departments model SPEC discussion, model schedule arrangement, SPICE raw data measurement, model parameters extraction, complete model establishment, and model accuracy authentication. For customer service, my duties were providing SPICE model document and supporting IC designer to any model related questions.

Education

Dep. of Physics, National Taiwan University, Taipei, Taiwan — Master, 2006

Skills

Operating system: MS Windows, Unix-like, Mac OSX
Programming: C/C++, Fortran, BASH shell script
Application: MS Office and etc.

Awards

Thesis Awards, The Physical Society of Republic of China, 2006

Publications

Observation of $B \rightarrow \Phi \Phi K$ Decays (ICHEP 2006 Conference Paper)
Measurements of Branching Fractions and CP Asymmetries in $B \rightarrow \Phi\Phi K$ decays at Belle (Thesis)
Study of $B \rightarrow \Phi \Phi K$ Decays (submitted to PRD)