

# Curriculum Vitae

## Steven Shiau (Jr-Huang Shiau)



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## **CURRENT POSITION:**

01/2008 – present

Devision Manager/Researcher, Grid Technology Division, National Center for High-Performance Computing (NCHC), Taiwan.

01/2007 – 12/2007

Devision Manager/Associate Researcher, Grid Technology Division, National Center for High-Performance Computing (NCHC), Taiwan.

## **PROFESSIONAL EMPOLYMENT:**

01/2006 – 12/2006

Devision Manager/Associate Researcher, Computing Software Division, National Center for High-Performance Computing (NCHC), Taiwan.

01/2004 – 12/2005

Deputy Devision Manager/Associate Research Scientist, Grid Computing Division, National Center for High-Performance Computing (NCHC), Taiwan.

01/2001 – 12/2003

Associate Research Scientist, Software Development Division, National Center for High-Performance Computing (NCHC), Taiwan.

10/1997 – 12/2000

Associate Research Scientist, Electric Engineering and Electromagnetic Division, National Center for High-Performance Computing (NCHC), Taiwan.

## **EDUCATION:**

07/1995 MSc. Dept. of Nuclear Engineering, National Tsing-Hua University, Taiwan

07/1993 BSc. Dept. of Nuclear Engineering, National Tsing-Hua University, Taiwan

## **CURRENT RESEARCH INTERESTS:**

- Cluster Computing and Grid Computing
- Particle-in-Cell Simulation of Plasma
- DRBL (Diskless Remote Boot in Linux): Free Software/OpenSource project – drbl.sourceforge.net; drbl.nchc.org.tw
- Clonezilla: Free Software/OpenSource project - clonezilla.org; clonezilla.nchc.org.tw
- GParted: Free Software/OpenSource project – gparted.sourceforge.net
- Projects involved: DRBL (drbl.sf.net, drbl.nchc.org.tw), NCHC PC Cluster (pccluster.nchc.org.tw), SEAT (seat.nchc.org.tw), FOSS (opensource.nchc.org.tw)

### **EXPERIENCES AND HONORS:**

- DRBL is the winner in category "Public sector applications" in international free software contest <<http://tropheesdulibre.org>> (2007).
- Vice president for Chinese speaking areas of OFSET (Organization for Free Software in Education and Teaching), Jul, 2006 - Jun, 2008.
- Member, Governing Committee of COSA (Chinese Open Systems Association), 2005-2007.
- Member, Governing Committee of SLAT (Software Liberty Association of Taiwan), 2006-2007.
- Demonstrations Chair of The PRAGMA international workshop (2003, 2008).

### **PUBLICATION/CONFERENCE PRESENTATION:**

- Steven Shiau, Chen-Kai Sun, Yao-Tsug Wang and Yu-Chin Tsai. Clonezilla: A Better Choice Than Ghost. LSM 2007, Amiens, France. (Invited)
- Steven Shiau, Chen-Kai Sun, Yao-Tsug Wang and Yu-Chin Tsai. DRBL and Clonezilla, the Deployment and Restoration System. LSM 2006, Nancy, France. (Invited)
- Shiau, J.H.; Hu, Y.; Lin, T.L.; Huang, K.L. Implement the PIC-MCC simulation of ECR plasma source on PC cluster with DRBL, an effective approach to integrate PC cluster. Cellular Neural Networks and Their Applications, 2005 9th International Workshop on 28-30 May 2005 Page(s):311 - 314.
- Steven Shiau, Kuo-Lien Huang and Fang-Pang Lin. An approach towards hierarchical. integration for embedded system,. clusters and grid: the DRBL project. GFK Summer Workshop 2004, Seoul, Korea. (Invited)
- Jyun-Hwei Tsai, Jr-Huang Shiau, and Chung-Je Chiou, A Web-based Distributed Computing Environment of Hight Density Plasma Simulations. Transactions of the Aeronautical and Astronautical Society of the Republic of China, Vol 33, No. 2. pp. 127-136 (2001).
- S. J. Liang, J. H. Lee, S. H. Chen, and J. H. Shiau, "Networked Collaborative Environment for Hydro-Engineering," Int. J. Comp. Eng. Sci. 2, 557(2001).
- J. H. Shiau, J. H. Tsai and S. H. Chen, "Two-Dimensional Simulation of Electron Cyclotron Resonance Discharge," 26 th IEEE, ICOPS 99 conference in Monterey, CA, 20-24 June 1999.
- T. L. Lin, Y. Hu, K. C. Leou, J. H. Shiau, and Y. C. Lan, " A Large Area ECR Plasma Source," 24th IEEE Int. Conference on Plasma Science, 19-22 May, 1997.
- Y. Hu, J. H. Shiau, T. L. Lin, and Y. C. Lan, "Particle-in-cell Simulations of Electron-Cyclotron-Resonance Microwave Plasma Generation," 23rd IEEE Int. Conference on Plasma Science, 3-5 June, 1996.

### **PATENTS:**

- Kuo-Lien Huang, Jr-Huang Shiau, Fang-Pang Lin, Machine horse control system and control method thereof. Aug, 2005. ROC Patent no. I240869.

### **LEISURE INTERESTS:**

- Jogging, Hiking, Basketball, Driving.
- Linux, Free and Opensource Software.