

Curriculum vitae

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Name: Jong-Soo Rhyee (Male, Married)

Date of Birth: July 1, 1975

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Personal History

<Education>

1994 March ~ 1998 February

Dept. of Physics, Chung-buk National University (CBNU) (Bachelor of Science), Cheong-Ju, South Korea

1998 March ~ 2000 February

Dept. of Physics, Pohang University of Science and Technology (POSTECH) (Master of Science), Pohang, South Korea

2000 March ~ 2005 February

Dept. of Material Science and Engineering, Gwang-Ju Institute of Science and Technology (GIST) (Ph.D), Gwang-Ju, South Korea

<Work experience>

2005 January ~ 2006 March

Staff Researcher in Electrical Steel research group, POSCO Research Lab., South Korea

2006 April ~ 2007 April

Post-doc. Researcher in Crystal growth group, Max Plank Institute for Solid State Research, Germany

2007 May ~ present

R&D Staff researcher in Materials Research Lab., Samsung Advanced Institute of Technology, South Korea

Master's Thesis (Advisor: S. I. Lee / Dept. of Physics, POSTECH, South Korea)

- Research in master's degree

Synthesis and physical property investigation of Hg-based high Tc Superconductor

- Title of Thesis

Effect of Sr substitution in Hg-based superconductors;

$\text{Hg}_{0.9}\text{Re}_{0.1}(\text{Ba}_{1-x}\text{Sr}_x)_2\text{Ca}_2\text{Cu}_3\text{O}_{8+d}$

Ph.D Dissertation (Advisor: B. K. Cho / Dept. of MSE, GIST, South Korea)

- Research in Doctoral degree

Crystal growth and physical property investigations of the Hexaborides and rare-earth intermetallic compounds.

- Title of Thesis

Magnetic and electronic properties of Hexaboride compounds ($R_{1-x}R^*_xB_6$ / $R, R^* = \text{Ca, La and Eu}$)

Current research project

- Development of thermoelectric new materials and devices
- Physical property investigations on the thermoelectric materials
- Low dimensional electronic transport properties investigation
- Nano-composite synthesis on the thermoelectric materials

Academic activity

- Member of the Korean Physical Society
- Member of the American Physical Society
- Member of the International Thermoelectric Society
- Referee of Journal of Applied Physics (2004)
- Referee of Current of Applied Physics (Feb. 2008, March 2009)
- Referee of Physical Review Letters (Oct. 2008, April 2009)
- KOSEN Expert of Physics (KISTI, Korea) (2009 ~ present)

Awards

- Seo-nam Fellowship, supported by Seo-Nam Foundation (1994~1998)
- Best Presentation Awards from The Korean Physical Society (April, 2003)
- Brain Korea 21 Academic Award from GIST (Feb., 2005, Graduate Award)
- Literature Awards in the monthly journal of Literature World (December, 2000)
- Recorded bibliography to the world famous biography dictionary “Marquis Who’s Who in the World (22nd Ed., 2005 ~ 27th Ed., 2010)”
- 2000 21st Outstanding Intellectuals Award from IBC (International Biographical Center) (2005)
- Great Minds of the 21st Century is awarded by ABI (The American Biographical Institute) (2006)
- ICT2009/ECT2009 Young Investigator Award from International Thermoelectric Society (30th July 2009, Freiburg, Germany)