

Speaker Profile



Name: Kahp-Yang Suh

Title: Assistant Professor

Institute: School of Mechanical and Aerospace Engineering, Seoul National University

EDUCATION

Doctor of Philosophy (March 1998 ~ 2002)
School of Chemical Engineering, Seoul National University
Advisor: Prof. Hong H. Lee
Thesis: Capillary Force Lithography and Polymer Dewetting

Master of Science (March 1996 ~ February 1998)
School of Chemical Engineering, Seoul National University
Advisor: Prof. Hong H. Lee
Thesis: Modeling of the Rate of Solid-Phase Epitaxial Growth in $\text{Si}_{1-x}\text{Ge}_x$ Alloys

Batchelor of Science (March 1992 ~ February 1996)
School of Chemical Engineering, Seoul National University

Contact Details

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PROFESSIONAL ACTIVITIES

March 2001 ~ Feb. 2002 Lecturer, School of Chemical Engineering, Seoul National University
March 2002 ~ July 2002 BK21 Post-doctor, School of Chemical Engineering, Seoul National University
Sept. 2002 ~ Jan. 2004 Post-doctoral associate under supervision of Prof. Robert Langer Department of Chemical Engineering, Massachusetts Institute of Technology
Feb. 2004 ~ present Assistant Professor, School of Mechanical and Aerospace Engineering, Seoul National University

RESEARCH INTERESTS

- Nanoscale patterning:
Capillary lithography, Nanoimprint lithography
- Microfluidic biosensor:
PEG patterning, Protein/Cell/Lipid bilayer arrays
- Electrochemical nanowells biosensor
- Biomimetics: Mimicking lotus leaf, gecko foot
- Thin film instability: Dewetting, Buckling