

Curriculum Vitae

Mr. Jaeyoung Lee

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DATE OF BIRTH AND PLACE

October 15, 1973 in Sangju, Korea

EDUCATION

- since 09/1999 Fritz-Haber-Institut der Max-Planck-Gesellschaft, Berlin, Germany
Ph.D. Student in Department of Physical Chemistry
(Supervisor: Dr. M. Eiswirth/Director: Prof. Dr. G. Ertl)
*Electrocatalytic Oxidation of Small Organic Molecules
(Kinetic Instabilities and Spatiotemporal Pattern Formation).*
- 01 – 08/1999 University of Ulm, Ulm, Germany
Visiting Scientist in Dept. of Surface Chemistry and Catalysis
(Supervisor: Dr. Olaf M. Magnussen/Prof. Dr. R. J. Behm)
*Inhibition and Corrosion of Cu (111) by using an Electrochemical
Scanning Tunnelling Microscope (EC-STM).*
- 03/1998 –
08/1999 Inha University, Incheon, Korea
Ph.D. Student in Dept. of Chemical Engineering
(Supervisor: Prof. Y. Tak)
*Electrochemical Oscillations in the Electrodeposition of Cu₂O,
ZnO, PbO₂, and Y₂O₃.*
- 03/1996 –
02/1998 Inha University, Incheon, Korea
M.Sc. in Chemical Engineering
(Supervisor: Prof. Y. Tak)
*Electrochemical Reduction Mechanism of CO₂ using an in-situ
Electrochemical Quartz Crystal Microbalance.*
- 03/1992 –
02/1996 Inha University, Incheon, Korea
B.E. in Chemical Engineering (Supervisor: Prof. J. W. Nam)

PROFESSIONAL EXPERIENCE

- 06/2000 University of Newcastle, Newcastle upon Tyne, UK
Chemistry and Chemical Engineering Department
(Dr. P. A. Christensen, Dr. W. M. Taama)
Research project was involved with the *Direct C₁ fuel cell*.
- 1996 – 1998 Inha University, Inchon, Korea
Graduate teaching assistant in Chemical Engineering Department
Courses: *Basis of Electrochemistry, Applied Electrochemical Engineering and Materials Science & Engineering*.
- 07/1995 Samsung Electro-Mechanics Ltd., Suwon, Korea
Research assistant in Materials Chemistry Laboratory
Electrochemical Etching of Aluminium.

TECHNIQUES

Special equipment operated with a PAR 263A/273A potentiostat/galvanostat, Home-made EC-STM, Topometrix AFM, QCA 917 electrochemical quartz crystal microbalance, Keithley 2000 high speed, HP 5890 gas chromatography, JEOL 7200 SEM, Philips DY616 XRD, Bruker IFS48 FT-IR Spectroscopy, Ultra high vacuum (UHV) Electrochemistry, LEED, AES and Reflection high-energy electron diffraction (RHEED).

ACADEMIC RECORDS

GPA undergraduate	3.18/4.00
GPA Master course	3.60/4.00
GPA Ph.D. course	4.00/4.00 (in Korea)

AWARDS & FELLOWSHIP

Max-Planck-Gesellschaft Fellowship, 1999 – present
Travel Grants (USA), 2001 (199th Electrochemical Society Meeting)
Travel Grants (Japan), 2000
(Ministry of Education, Science, Sports and Culture of Japan)
Korea-Germany Student Exchange Program Scholarship, 1999
Baden-Wuerttemberg Fellowship, Germany, 1999
Graduate Teaching Assistantship, Inha University, Korea,
1996 – 1998
Undergraduate Scholarship, Inha University, Korea, 1992 – 1995