

Nyeon-sik Eum

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## **PROFESSIONAL SUMMARY**

I specialized in mechanical engineering in the university, and in sensor engineering in the graduate school. Specially, I studied for the SPR Bio-Sensor at the master and Ph.D. course.

In the master course, I studied a Glucose Sensor using SPR phenomena which is researched the first time in Korea. It was project of National Defense and Science Institute. Also, I published the paper for detecting low concentration  $K^+$  ion at Ph.D. course. After graduation, I'm teaching a class in Yeungnam College of Science & Technology, Korea.

## **EDUCATION**

Kyung-il University, Mechanical Engineering, Korea (1992. 3 ~ 1996. 2, Bachelor of Engineering)  
Kyung-pook National University, Sensor Engineering, Korea (1996. 3 ~ 1998. 2, Master of Engineering)  
Kyung-pook National University, Sensor Engineering, Korea (2000. 3 ~ 2004. 2, Doctor of Engineering)

## **COMPUTER SKILLS**

Proficient in MS Office applications (Word, Excel, PowerPoint), Visio, Photoshop, Origin, and the Internet

## **SPECIAL ACTIVITIES**

Honorably discharged from the Korean Army (1998. 5. 27 ~ 1999. 11. 26)

## **LICENSES & CERTIFICATIONS**

Type 1 Driver's License, Seoul Metropolitan Police Agency (1992)  
The first sting in the technician of Automobile Maintenance (1993)  
The first sting in the technician of Automobile Inspection (1995)

## **Paper**

A thesis of doctorate : Development of surface plasmon resonance (SPR)  $K^+$  ion sensor by using NIR light source

A thesis of master : Construction and Characterization of the Surface Plasmon Resonance Glucose Sensor

SCI paper :  $K^+$ -ion sensing using surface plasmon resonance by NIR light source (*Sensors & Actuator B* vol. 96, P 446-450, 2003) : First Author