

**Shen YE**  
Professor  
Department of Chemistry,  
Graduate School of Science,  
Tohoku University  
Sendai 980-8578, Japan  
phone +81-22-795-6567, e-mail: ye.shen@tohoku.ac.jp



## **Educational Background**

Ph.D. Physical Chemistry, Hokkaido University (1993)  
M.S. Physical Chemistry, Hokkaido University (1990)  
B.S. Marine Chemistry, Ocean University of China, China (1986)

## **Professional Experience**

**Professor** 2017.4 – present  
Department of Chemistry, Graduate School of Science, Tohoku University,  
Sendai, Japan

**Adjunct Professor** 2017.4 – present  
Elements Strategy Initiative for Catalysts and Batteries (ESICB), Kyoto University,  
Kyoto, Japan

**Associate Professor** 2001.1 – 2016.3  
Catalysis Research Center (CRC), Hokkaido University, Sapporo, Japan

**Adjunct Associate Professor** 2015.5 – 2017.3  
Elements Strategy Initiative for Catalysts and Batteries (ESICB), Kyoto University,  
Kyoto, Japan

**Adjunct Researcher** 2005.10 – 2009.3  
PRESTO, Japan Science and Technology Agency (JST), Japan

**Adjunct Researcher** 1999.9 – 2002.9  
PRESTO, Japan Science and Technology Corporation (JST), Japan

**Visiting Researcher** 1997.7 – 1997.11  
Department of Physics, University of California at Berkeley

**Assistant Professor** 1994.4 – 2000.12  
Department of Chemistry, Graduate School of Science, Hokkaido University,  
Sapporo, Japan

**Staff** 1993.4 – 1994.3  
Department of Chemistry, Graduate School of Science, Hokkaido University,  
Sapporo, Japan

## Active Research Areas

- Interfacial electrochemistry on the well-defined electrode surfaces in combination with *in situ* vibrational spectroscopy and scanning probe microscopy techniques;
- Fundamental research on the electrocatalysts of secondary batteries and fuel cell;
- Interfacial chemistry on the functional materials

## Awards and Honors

1. Paper Award of Tribology Online, Japanese Society of Tribologists (2011.5);
2. Hokkaido Analytical Chemistry Award, Hokkaido Branch of the Japan Chemical Society (2006.2);
3. Young Investigator Encouragement Award, Hokkaido Branch of the Japan Chemical Society (2004.2).

## Professional Societies

1. International Society of Electrochemistry (ISE)
2. Japan Electrochemistry Society
3. American Chemical Society (ACS)
4. Japan Chemical Society
5. Japan Analytical Chemistry Society
6. Electrochemical Society
7. Spectroscopical Society of Japan
8. Surface Science Society of Japan
9. Japan Society for Molecular Science

## Editorial work

1. Editorial Board Member, Japan Electrochemistry Society, 2012.4~2014.3
2. Secretary, Hokkaido Branch of the Japan Electrochemistry Society (2011.4~2015.3)
3. Secretary, Hokkaido Branch of the Japan Electrochemistry Society (1999.4~2001.3)