

# 2023 SERC International Symposium

*Teaching Strategies and Science Teacher Education in a New Era.*

**Date:** Thursday, March 23, 2023  
**Time:** 14:00-17:00  
**Location:** Building #12, Room# 401 (12-401)  
College of Education, Seoul National University

*Organized by Science Education Research Center (SERC), Center for Educational Research (CER), The Korean Association for Science Education and The Korean Society for School Science*

## Symposium Schedule

- Chair:** Dr. Soo-Yean Shim (*Seoul National University, Korea*)
- 14:00~14:40** Dr. Eun-Ji Amy Kim (*Griffith University, Australia*)  
Science teachers as epistemic brokers Cross-cultural pedagogy in the digital era.
- 14:40~15:20** Dr. Chun-Yen Chang (*National Taiwan Normal University, Taiwan*)  
Developing pre-service teachers' TPACK through the DECODE model.
- 15:20~15:30** Breaktime
- 15:30~16:10** Dr. Ozcan Gulacar (*University of California-Davis, USA*)  
Covering the traditional chemistry content and inspiring the next generation of leaders to tackle global problems: Can we achieve both goals in a limited lecture time?
- 16:10~16:50** Dr. Minsu Ha (*Seoul National University, Korea*)  
Teacher-developed assessment and the use of unsupervised learning-based automated assessment.