

Chungnam National University

Implementation period	Implementing country	SIT's implementation partner organization	Target students	participant	SIT instructor
2020/02/17 ~2020/02/26	Republic of Korea	Chungnam National University	<ul style="list-style-type: none"> •Department of Materials Science and Engineering、 Department of Applied Chemistry •Undergraduate 2nd grade、 Undergraduate 3rd grade、 Undergraduate 4th grade、 Master 1st grade、Master 2nd grade、 Doctor 1st grade、Doctor 2nd grade、 Doctor 3rd grade 	(SIT) Students 4, TA 1, Professor 1 (Chungnam National University) Students 5, Professor 1	nomura mikihiro(Department of Applied Chemistry)

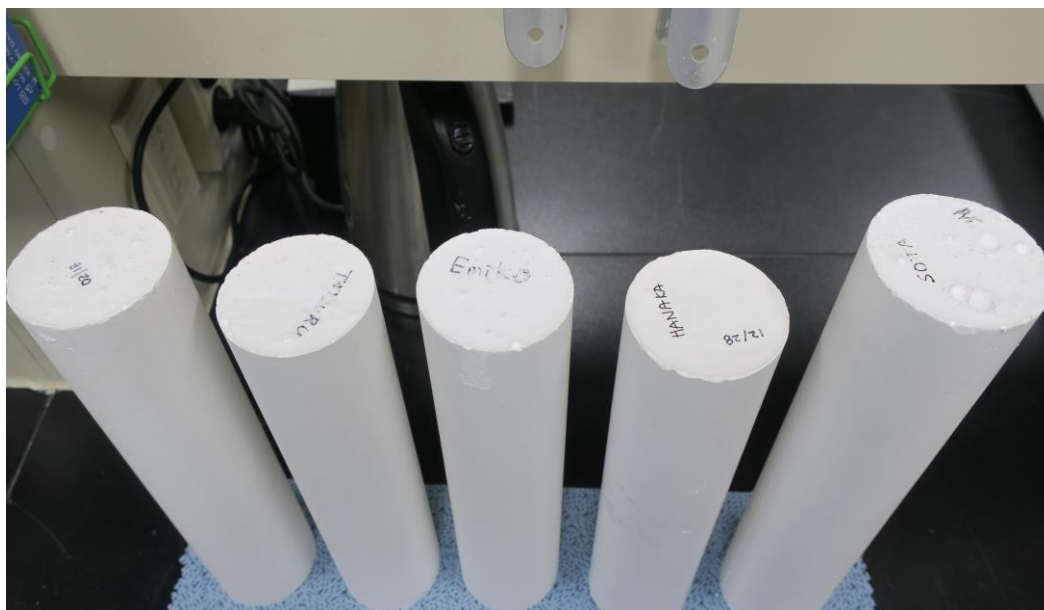


Image1 Manufactured Aluminum Porous Samplers

On February 16–26, 2020, a PBL program (19HD015K: Chungnam University (dispatch)) was conducted at Chungnam National University in Daejeon, Korea. The host was the Reaction & Separation Nanomaterials Laboratory of the Graduate School of Energy Science and Technology (GEST), and the faculty member was Prof. Churl-Hee Cho. Participants on the SIT side were all applied chemistry departments. The PBL contents consist of basic analysis methods for inorganic materials, preparation of porous alumina, and presentation. In the analysis method, training such as electron microscopy, X-ray diffraction measurement, infrared spectroscopy, and energy dispersive X-ray analysis was performed. In the preparation of the porous alumina body, the alumina powder dispersion was introduced into a mold to prepare a cylindrical molded body. In the final presentation held on the 25th, he introduced the principle of the analytical method and his practice, including his introduction and impression of Korea. On the evening of the 25th, a Farewell party was held at Samgyeopsal to deepen exchanges with the other students. On the 26th, he moved to Seoul and visited the laboratory of Prof. Jungkyu Choi of Department of Chemical and Biological Engineering at Korea University. Nomura also gave a lecture on "Recent development of zeolite membranes at the separation systems laboratory" from SIT and discussed the research. In the evening, we had an exchange meeting with students of Korea University and finished the PBL.



Image2 Laboratory of Chungnam University



Image3 The final presentation



Image4 Farewell party



Image5 Lecture at Korea University