

Registration Fees

Regular : 100,000 KRW (Early bird) / 120,000 KRW (Onsite)

Students : 20,000 KRW

* Early bird registration deadline: 1st October 2018

Organizing Committee

Chair Eui-Seob Park (KIGAM)
Co-Chair Changsoo Lee (KAERI) Ki-Bok Min (SNU)
Members Jung-Wook Park (KIGAM) Taehyun Kim (KIGAM)
 Jaewon Lee (KAERI) Sangki Kwon (Inha University)
 Saeha Kwon (SNU) (secretary)

Date and Venue

Mon. 15th October 2018, Seoul National University Faculty Club, Seoul
 (서울 관악구 신림동 산 65-1 서울대학교 65동 교수회관)



- Take a taxi. It takes ~50 minutes from downtown to SNU Faculty Club (~20,000 KRW ≈ 20 USD). Or take a subway to Nakseongdae station (green line), and take a taxi at gate 7 of Nakseongdae station to SNU Faculty Club.
- There is a direct airport limousine (#6017) from Incheon International Airport to Hoam Faculty House which is 1.2 km away from SNU Faculty Club.

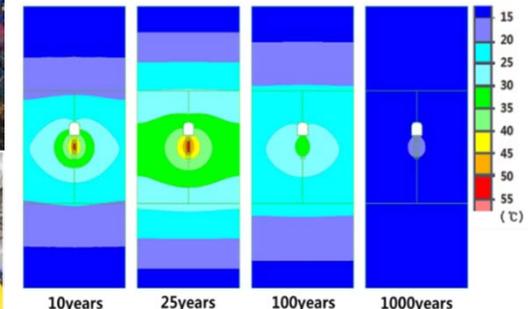
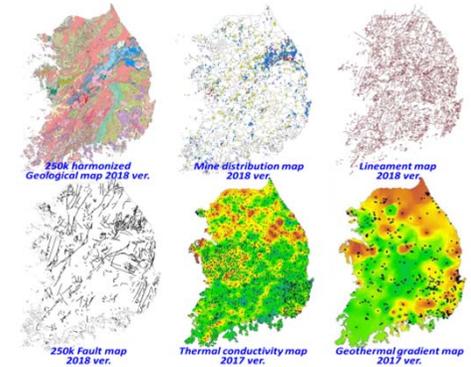
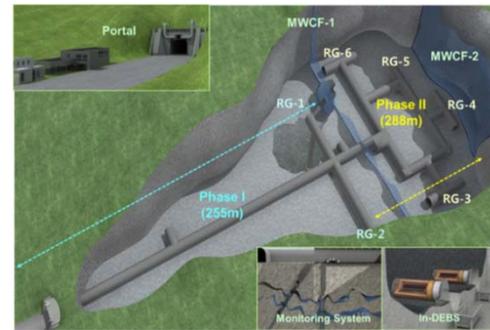
Contact Information

Min-A Lee (+82-2-558-1896 / webmaster@ksrm.or.kr)
 Taehyun Kim (+82-42-868-3249 / thkim@kigam.re.kr)
 Saeha Kwon (+82-2-880-7234 / ksahaa@snu.ac.kr)

15th October 2018

Seoul, Korea

International Workshop on Coupled Processes in Geological Disposal of Nuclear Waste and Underground Research Laboratory



Organized by

Korea Institute of Geoscience and Mineral Resources (KIGAM)
Korea Atomic Energy Research Institute (KAERI)
Seoul National University (SNU) BK21+Sustainability of Foundation Energy
Korean Society for Rock Mechanics & Rock Engineering (KSRRM)

Invitation

Deep geological disposal of high-level radioactive waste has long been a public issue and debate around the world. Particularly in Korea, after a long process of public debate, the national basic plan was prepared in 2016, and Korea's geological disposal has been dealt with in earnest. DECOVALEX (DEvelopment of COupled models and their VALidation against EXperiments) is an international project with eleven countries that has been going on since 1992. As the workshop of DECOVALEX-2019 is held in Korea, we invited both domestic and international experts to discuss the state-of-the-art of the deep geological disposal of high-level radioactive waste at home and abroad. You are cordially invited to this inspiring event.

Eui-Seob Park

Korea Institute of Geoscience and Mineral Resources
Chairman of Organizing Committee

Session 1 Coupled Processes for Geological Disposal of Nuclear Waste

| | |
|---------------|--|
| 09:20 – 10:00 | Registration & Welcome Remarks |
| 10:00 – 10:30 | The international DECOVALEX model comparison project - 25 years of coupled processes research (Jens Birkholzer , Lawrence Berkeley National Laboratory, USA) |
| 10:30 – 11:00 | Overview of the current tasks and outstanding issues in the DECOVALEX 2019 project (Alex Bond , Quintessa, UK) |
| 11:00 – 11:30 | Coupled THM processes and nuclear waste disposal in hard fractured rocks (Jonny Rutqvist , Lawrence Berkeley National Laboratory, USA) |
| 11:30 – 12:00 | Coupled THM processes and nuclear waste disposal in argillaceous materials (Antonio Gens , Universitat Politècnica de Catalunya, Spain) |
| 12:00 – 13:30 | Lunch |



Jens
Birkholzer



Alex
Bond



Jonny
Rutqvist



Antonio
Gens



Carl-Henrik
Pettersson



Liang
Chen



Gilles
Armand



Seunghyun
Kim



Geon Young
Kim



Eui-Seob
Park



Ki-Bok
Min

Session 2 Country Updates on National Program & URL

| | |
|---------------|--|
| 13:30 – 14:00 | Geological disposal in the United States: the past, the present and the future (Jens Birkholzer , Lawrence Berkeley National Laboratory, USA) |
| 14:00 – 14:30 | Licensing of the final geological disposal of spent nuclear fuel – a perspective from the Swedish authority (Carl-Henrik Pettersson , Swedish Radiation Safety Authority, Sweden) |
| 14:30 – 15:00 | The Beishan URL for geological disposal of high level radioactive waste: Planning, site selection, site characterization and in-situ tests (Liang Chen , Beijing Research Institute of Uranium Geology, China) |
| 15:00 – 15:30 | Some contributions of the Meuse-Haute-Marne URL for the Cigeo geological disposal project in France (Gilles Armand , Agence Nationale pour la Gestion des Déchets Radioactifs, France) |
| 15:30 – 16:00 | Break |

Session 3 Status of Geological Disposal of Nuclear Waste in Korea

| | |
|---------------|--|
| 16:00 – 16:30 | Candidate canister materials proposed for final disposal of HLW (Seunghyun Kim , Korea Radioactive Waste Agency, Korea) |
| 16:30 – 17:00 | R&D activities at KURT for HLW disposal technology development in Korea (Geon Young Kim , KAERI, Korea) |
| 17:00 – 17:30 | KIGAM's R&D activities related to HLW geological disposal in Korea (Eui-Seob Park , KIGAM, Korea) |
| 17:30 – 18:00 | Korea's R&D Development in coupled processes and geomechanics for geological disposal of nuclear waste (Ki-Bok Min , SNU, Korea) |
| 18:00 – 20:30 | Banquet |