

The 5th KOREA-JAPAN Joint Workshop on Unsaturated Soils

한국지반공학회 '지반역학 및 불포화지반 기술위원회(정영훈 위원장)'에서는 불포화토 관련 연구동향 파악과 연구자들간의 교류 증진을 위하여 일본 불포화토연구회와 한·일 공동 Workshop을 개최합니다. 관심 있는 회원 여러분들 및 관련 연구자분들의 많은 참여 부탁드립니다.

- 일 시 : 2018년 5월 18일(금) 09:30~
- 장 소 : 현대 힐스테이트 갤러리(도곡동, 지도참조)
- 주 관 : 한국지반공학회(지반역학 및 불포화지반기술위원회), 일본 불포화지반연구회 공동
- 참가비 : 회원 5만원(자료 및 중식 제공, 학생 3만원)
- 프로그램 :

09:30 ~ 10:00	Registration	
10:00 ~ 10:15	Opening Ceremony (지반공학회 정상섭 회장, 지반역학 및 불포화기술위원회 정영훈 위원장) Photo Session	(사회)추현욱교수
10:15 ~ 11:25	초청강연 1 (정상섭 교수, 한국 연세대학교) ▶ Early warning systems for rainfall-induced landslides in unsaturated mountainous slope	
	초청강연 2 (Shoji Kato 교수, 일본 Kobe University) ▶ Deformation and Strength Characteristics of a Compacted Silty Soil under Low Confining Pressure	
11:25 ~ 12:25	Technical Session 1 (Modelling) ▶ How to overcome capillary end effect at pore-scale simulation - Dong Hun Kang and Tae Sup Yun (Yonsei Univ.) ▶ A Numerical Analysis on Mass Transportation in Unsaturated Ground Considering Growth of Root - Taishi KOGA, Kiyonobu KASAMA, Zentaro FURUKAWA (Kyushu Univ.) ▶ Hydro-mechanical simulation based on Biot's poroelasticity theory - Gyu-Hyun Go, JangguenLee, and HyuSounShin (Korea Institute of Civil Engineering and Building Technology) ▶ Neural network analysis with implementation of pedotransfer function to predict soil water characteristic curve - Khanh Pham, Dongku Kim, Dongseop Lee, Minkyu Kang, and Hangseok Choi (Korea Univ.)	(좌장)추현욱교수
12:30 ~ 14:00	Lunch	
14:00 ~ 15:40	Technical Session 2 (Unsaturated Characteristics) ▶ Application of Time Domain Reflectometry System for the Characterization of the Active Layer - Won-Taek Hong and Jong-Sub Lee (Korea Univ.) ▶ Estimation of Soil-Water Characteristics Curve from micro-scale soil properties - Jung-Tae Kim and Gye-Chun Cho (Korea Advanced Institute of Science and Technology) ▶ Water Absorption and Transportation Properities of Fibroid Materials in Unsaturated Ground - Zentaro FURUKAWA, Noriyuki YASUFUKU, Kiyoshi OMINE, and Takanori MURAKAMI (Kyushu Univ.) ▶ Effect of Water Content on Local Stiffness Enhancement by Geogrid-Aggregate Interlock - Yong-Hoon Byun (Kyungpook National Univ.) and Erol Tutumluer (Univ. of Illinois) ▶ Estimating Wetting Path of Soil Water Characteristic Curve for Sandy Soils - Hyun-Su Park and Seong-Wan Park (Dankook Univ.) ▶ Applicability Evaluation of Water Repellent Soil to the Sand Layer of Capillary Barrier - Hiromasa KOBAYASHI, Byeongsu KIM, and Yuji TAKESHITA (Okayama Univ.), Shoji Kato (Koeb Univ.) ▶ Characteristics of unsaturated soil at the vadose zone in a mine waste dump slope - Young-Suk Song and Min-seok Kim (Korea Institute of Seoscience and Mineral Resources)	(좌장)후루카와교수
15:40 ~ 16:00	Coffee Break	
16:00 ~ 17:40	Technical Session 3 (Testing/Application) ▶ Vegetation Experiment for Remedying Hexavalent Chromium(Cr6+)-Contaminated Unsaturated Soil by Utilizing Growth of Root - Tomoki MORIMOTO, Kiyonobu KASAMA, and Zentaro FURUKAWA (Kyushu Univ.) ▶ Thermal Expansion Behavior of Compacted Bentonite Buffer Materials Considering Unsaturated Condition - Seok Yoon and Geon-Young Kim (Korea Atomic Energy Research Institute) ▶ Experimental Investigation of Frost Heave Characteristics using Temperature-Controllable Cell - Jangguen Lee, Hyunwoo Jin, and Byunghyun Ryu (Korea Institute of Civil Engineering and Building Technology) ▶ Filed measurement of unsaturated soil hydraulic properties in unsaturated soils by using soil water contents - Nobutaka KATAYAMA, Yuji TAKESHITA (Okayama Univ.), Toshihiro Morii (Niigata Univ.) ▶ Infiltration Analysis in Unsaturated Soil for Derivation of Continuous Rainfall Threshold to Evaluate Slope Instability - Joon-Young Park, Seung-Rae Lee, and Deuk-hwan Lee (Korea Advanced Institute of Science and Technology) ▶ Resistance of Coarse-grained Particles against Raindrop Splash and Its Relation with Splash Erosion - Hyunwook Choo (Kyung Hee Univ.), Jongmook Won, and Susan Burns (Georgia Tech.)	(좌장)김태식교수
17:40 ~ 18:00	Closing Ceremony	박성완교수 타케시타교수
18:20 ~ 20:20	Banquet	

- 문의 : - 정영훈 교수(위원장, 경희대학교) 031-201-2574 (jyounghoon@khu.ac.kr)
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- 한국지반공학회 02-3474-4428

■ 현대 힐스테이트 갤러리 오시는 길(Directions to HILLSTATE GALLERY)

힐스테이트 갤러리 서울시 강남구 남부순환로 2641(도곡동 914-1)



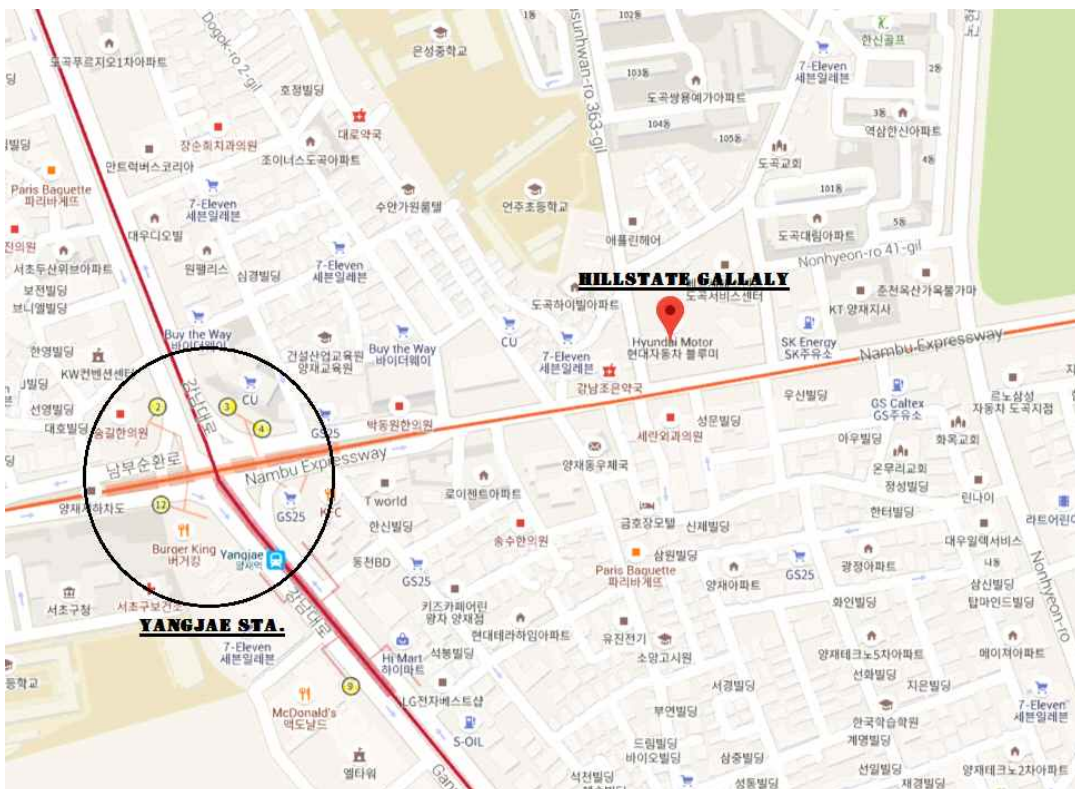
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지하철 3호선 / 신분당선 양재역 4번 출구에서 매봉, 도곡 방면으로 230m 직진

 버스로 오시는 길

양재역 말죽거리 정류장

917, 11-3, 11-7, 402, 406, 4412, 4433, 4426, 4430, 3423, 4319



Location: 2641 Nambusunhwan-ro, Dogok 1(il)-dong, Gangnam-gu, Seoul, KOREA