

The International Symposium on New Paradigm for Damage Estimation of Natural Disasters (MCM, FLEMO, Hazus-MH)

일자 : 2019년 4월 25일

장소 : The K Hotel 서울(서울특별시 서초구 바우뒤편로12길 70)

주관 : 인하대학교, University of Exeter,
GFZ German Research Centre for Geoscience,
Hazus Flood Model Developer

후원 : 행정안전부




행정안전부



인하대학교

인사말

행정안전부 소관 “풍수해 직접·간접 피해를 고려한 피해 산정 및 예측 기술개발” 과제의 연구성과와 해외 선진 연구 사례를 공유하는 국제 심포지움에 여러분을 초대합니다. 이번 심포지움은 “New paradigm for damage estimation of natural disasters”라는 주제로 호우, 태풍과 같은 자연재난으로 인한 피해를 산정하는 적절한 방법론을 제시하는 것을 목표로 합니다. 이를 위해 이번 심포지움에서는 영국의 MCM, 독일의 FLEMO, 미국의 Hazus-MH와 같은 대표적인 자연재난 피해 산정모형의 전문가들을 모시고, 선진국형 자연재난 피해 산정 방법에 대해 논의 할 예정입니다.

2019. 03. 인하대학교 김형수 

Prof. Hung Soo Kim



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Research field

Climate change, Chaos, Natural hazard,
Hydrologic modelling, Wetlands

Prof. Slobodan Djordjevic



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Research field

Hydraulic modelling, Flood risk management,
Flood resilience, Climate change adaptation

Mr. Nikolay Todorov



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Research field

Flood modelling, Catastrophe modelling

Dr. Albert S. Chen



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Research field

Urban drainage, Numerical modelling,
Flood damage and impact assessment, Risk
management, Adaptation strategies and flood
resilience

Dr. Patric Kellermann



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Research field

Flood risk modeling

Dr. Kyungtak Kim



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KICT (Korea Institute of Civil Engineering and Building Technology)

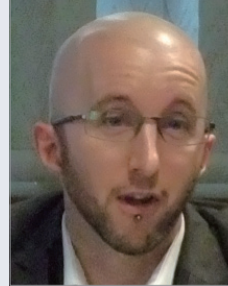
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Research field

Rainfall-Runoff model, Flood hazard map, GIS, Remote sensing, Risk analysis, Data science

Dr. Barry Evans



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Research field

GIS, Flood risk modelling, Urban resilience, System dynamic modelling

Dr. Lydia Vamvakeridou-Lyroudia



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Research field

Computer modelling, Artificial intelligence, Fuzzy logic, Genetic algorithms, Water supply/distribution and irrigation systems, Optimisation, Expert systems, Real-Time models and decision support systems

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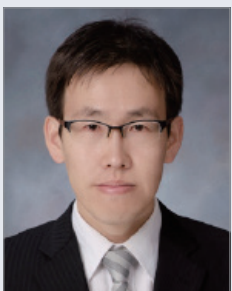
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Research field

Water related disaster, Water resources satellite

Prof. Soojun Kim



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Research field

Climate system, Disaster risk management, Flood warning, Decision making

Dr. Dongmin Yang



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Research field

Disaster forecast, Disaster statistics, Disaster risk assessment

Ms. Nivedita Sairam



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Research field

Probabilistic flood loss modelling, Vulnerability analysis

Mr. Changhyun Choi



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Research field

Damage prediction function, Statistical hydrology, Rainfall-Runoff model, Risk analysis, Data science

주요 일정

- Arrival & Welcome Dinner (April 24, 2019)
- International Symposium & Reception (April 25, 2019)

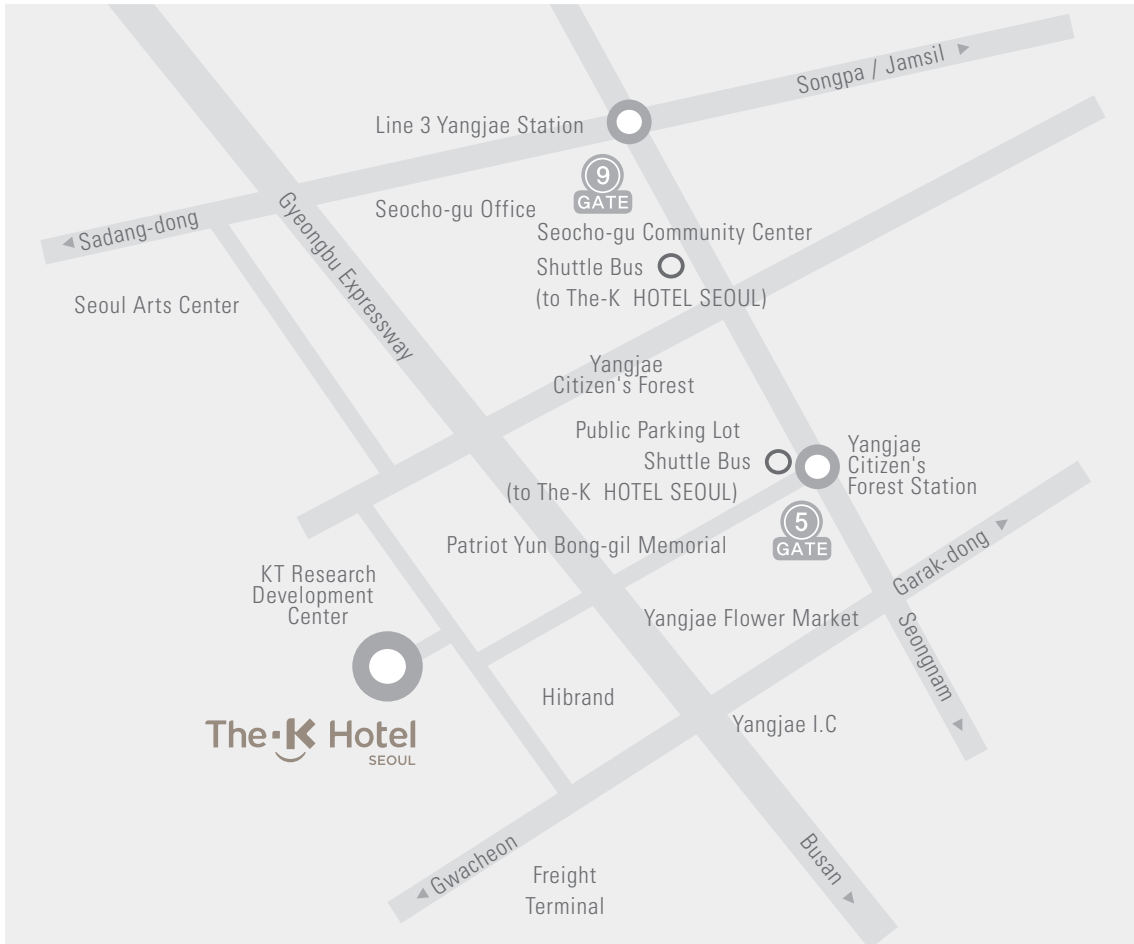
심포지움 시간표 (April 25, 2019)

★ 본 국제 심포지움에서는 한영 동시통역을 제공합니다

Time	Program
Opening (사회 : 정 건 희 교수)	
09:00~09:30	등록
09:30~09:35	개 회 사 : 인하대학교 김 형 수 교수
09:35~09:45	축 사 : 행정안전부 재난관리실 김 계 조 실장
09:45~09:50	기념촬영
1st Session (세션 좌장 : 김 태 응 교수)	
09:50~10:05	발표제목 : On methodology development for damage estimation and prediction 발 표 자 : [한국] 인하대학교 김 형 수 교수
10:05~10:20	발표제목 : Constructing of national basic statistics for disaster information 발 표 자 : [한국] 노아 SNC 양 동 민 대표
10:20~10:45	발표제목 : Estimating flood resilience of transportation networks using limited data 발 표 자 : [영국] Dr. Barry Evans, Centre for Water Systems, University of Exeter
10:45~11:00	발표제목 : Development of damage prediction function based on disaster statistics 발 표 자 : [한국] 인하대학교 최 창 현
11:00~11:25	발표제목 : Analysing flood hazard impact on critical infrastructure and services 발 표 자 : [영국] Dr. Lydia Vamvakeridou-Lyroudia, Centre for Water Systems, University of Exeter
11:25~11:50	1st Session Discussions (토론 좌장 : Dr. Albert Chen)
11:50~13:00	Lunch Break

Time	Program
2nd Session (세션 좌장 : 김 수 전 교수)	
13:00~13:25	<p>발표제목 : Large-scale flood risk assessment using a coupled model chain – the regional flood model for Germany</p> <p>발 표 자 : [독일] Dr. Patric Kellermann, GFZ German Research Centre for Geoscience, University of Potsdam</p>
13:25~13:50	<p>발표제목 : Development of flood damage and Losses assessment model in Korea on private properties</p> <p>발 표 자 : [한국] 한국건설기술연구원 김 경 탁 박사</p>
13:50~14:40	<p>발표제목 : Hazus flood model overview</p> <p>발 표 자 : [미국] Mr. Nikolay Todorov, Hazus Flood Model Developer</p>
14:40~15:05	<p>발표제목 : Flood damage assessment for mega city using MCM</p> <p>발 표 자 : [영국] Dr. Albert Chen, Centre for Water Systems, University of Exeter</p>
15:05~15:30	2nd Session Discussions (토론 좌장 : 김 형 수 교수)
15:30~15:45	Coffee Break
3rd Session (세션 좌장 : 정 건 희 교수)	
15:45~16:00	<p>발표제목 : Development of hazard mapping for damaged from flood</p> <p>발 표 자 : [한국] K-water 황 의 호 박사</p>
16:00~16:25	<p>발표제목 : Hierarchical bayesian approach for transfer ability of flood loss models - European case study</p> <p>발 표 자 : [독일] Ms. Nivedita Sairam, GFZ German Research Centre for Geoscience, University of Potsdam</p>
16:25~16:50	<p>발표제목 : Impacts of flooding on human health</p> <p>발 표 자 : [영국] Prof. Slobodan Djordjevic, Centre for Water Systems, University of Exeter</p>
16:50~17:05	<p>발표제목 : Development of decision method for investment priority of disaster prevention project</p> <p>발 표 자 : [한국] 인하대학교 김 수 전 교수</p>
17:05~17:30	3rd Session Discussions (토론 좌장 : Prof. Slobodan Djordjevic)
17:30~17:50	Overall Discussions (좌장 : 김 형 수 교수)
17:50~18:00	Closing Remarks
18:00~19:30	Reception

오시는 길



Trails

Yangjae Citizens' Forest 0.5km (5 minutes)
 Yangjaecheon 0.5 km (5 minutes)
 Seocho Culture & Art Park 0.2km (3 minutes)



Subway

No. 5 Exit at Yangjae Citizen's Forest Station of Sinbundang Line
 (5 minutes on foot/Board the Shuttle Bus at the other side of the Public Parking lot)
 No. 9 Exit at Yangjae Station of Line 3
 (Take the shuttle bus in front of Seocho-gu Community Center)



Bus

General blue bus
 405A, 045B, 408, 421, 140, 470, 441
 AT Center, Yangjae Flower Market Get off at the bus stop (5 minutes on foot)
 Town Bus (#80)
 No. 11 Exit at Yangjae Station of Line 3
 Get off at the back door of the hotel



Airport Bus

Airport Limousine Bus #6500
 Transport between Hotel and Incheon Airport
 Platform 5A, 11B at Incheon Airport
 Departure from Hotel 07:00 / 11:00 / 15:00 / 19:00
 Departure from Airport 09:20 / 13:20 / 17:20 / 21:20



행정안전부



인하대학교