김 석 현



- 직책: Assistant Professor, Ph.D., M.Eng.
- 소속: <u>Department of Civil Engineering</u>, Kyung Hee University, 1732, Deogyeong-daero, Giheung-gu, Yongin-si, Gyeonggi-do 17104, Republic of Korea
- 이메일: shynkim@khu.ac.kr; seokhyn.kim@gmail.com
- 웹페이지: https://steelpl.github.io/; https://sites.google.com/view/wrebigdl/

학력

- 2013 년 7 월 2017 년 11 월 UNSW Sydney* 공학박사 (수자원공학/원격탐사)
 - * QS (종합): 43 위; QS (토목): 12 위; ARWU (수자원): 8 위
 - · 학위논문: Improvements and applications of satellite-derived soil moisture for flood forecasting
 - · 지도교수: Ashish Sharma, Fiona Johnson (joint), Yi Liu (co)
- 2006 년 3 월 2008 년 2 월
 고려대학교 사회환경시스템공학과 공학석사 (수자원공학)
 - · 학위논문: Study for improving water distribution system reliability (영문)
 - · 지도교수: 김중훈
- 1997 년 3 월 2001 년 2 월 **고려대학교** 토목환경공학과 공학사

주요경력

	2022 년 3 월 -	경희대학교 공과대학 사회기반시스템공학과 조교수
•	2017 년 4 월 - 2022 년 2 월	UNSW Water Research Centre 박사후 연구원
•	2013 년 7 월 - 2017 년 3 월	UNSW Sydney 박사과정 (논문제출: 2017/3; 학위수여: 2017/11)
•	2008년 1월 - 2013년 7월	현대건설 대리 토목설계실 수자원/환경 설계담당
병역사항		

• 2001 년 10 월 - 2004 년 9 월 **대한민국육군** (중위 만기전역)

수상 및 장학금

■ 2021 년 12 월 MSSANZ Early Career Research Excellence (ECRE) Award

• 2013 년 - 2021 년 **UNSW Sydney** Early Career Academic Seed Grants, Strategic Research Fund, Postgraduate Writing Fellowship, and Tuition fee, Stipend and Top-up Scholarship

■ 2006년 - 2007년

고려대학교 조교장학금; GS 건설 장학금; 한국연구재단 BK21 2 단계 장학금

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- 2. <u>Kim S.</u>, Sharma A., Wasko C., Nathan R. (2022) Linking total precipitable water to precipitation extremes globally, *Earth's Future*, 10(2), e2021EF002473, [7.495]
- 3. Yoon H.N., Marshall L., Sharma A., <u>Kim S.</u> (2022) Bayesian model calibration using surrogate streamflow in ungauged catchments, *Water Resour. Res.*, 58, e2021WR031287, [5.240]
- 4. Lee S., <u>Kim S.</u>, and Moon S., Development of Car-free Street Mapping (CfSM) Model using an Integrated System with Unmanned Aerial Vehicle, Aerial Mapping Camera and Deep Learning Algorithm, *J. Comput. Civ. Eng.*, 36(3), 04022003, [4.640]
- 5. <u>Kim S.</u>, Sharma, A., Liu, Y., & Young, S. I. (2021). Rethinking Satellite Data Merging: From Averaging to SNR Optimization, *IEEE Trans. Geosci. Remote Sens.*, 60, 1-15, [5.600]
- 6. <u>Kim S.</u>, Dong J., Sharma A. (2021) A triple collocation-based comparison of three L-band soil moisture datasets, SMAP, SMOS-IC, and SMOS, over varied climates and land covers, *Front. Water.*, 3, 64, [-]
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- 8. Kim S., Mehrotra R., <u>Kim S.</u>, Sharma A. (2021) Probabilistic forecasting of Cyanobacterial concentration in riverine systems using environmental drivers, *J. Hydrol.*, 593, 125626, [5.722]

- 9. Zhang R., <u>Kim S.(교신)</u>, Sharma A., Lakshmi V. (2021). Identifying relative strengths of SMAP, SMOS-IC, and ASCAT to capture temporal variability using a model combination approach, *Remote Sens. Environ.*, 252, 112126, [10.164]
- 10. <u>Kim S.</u>, Anabalón A., Sharma A. (2021) An Assessment of Concurrency in Evapotranspiration Trends Across Multiple Global Datasets, *J. Hydrometeorol.*, 22(1), 231-244, **[4.349]**
- 11. <u>Kim S.</u>, Pham H., Liu Y., Marshall L., Sharma A. (2020). Improving the combination of satellite soil moisture datasets by considering error cross-correlation: A comparison between triple collocation (TC) and extended double instrumental variable (EIVD) alternatives, *IEEE Trans. Geosci. Remote Sens.*, Early Access, 1-11, [5.600]
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- 13. Kim S., <u>Kim S.</u>(교신), Mehrotra R., Sharma A. (2020). Predicting cyanobacteria occurrence using climatological and environmental controls, *Water Res.*, 175, 115639, [11.236]
- 14. Kim T., Ley T., Kang S., Davis J., <u>Kim S.</u>, Amrollahi P. (2020). Using Particle Composition of Fly Ash to Predict Strength and Resistivity of Concrete, *Cem. Concr. Compos.*, 107, 103493, [7.586]
- 15. <u>Kim S.</u>, Ajami H., Sharma A. (2020). Using remotely sensed information to improve vegetation parameterization in a semi-distributed hydrological model (SMART) for upland catchments in Australia, *Remote Sens.*, 12(18), 3501, [4.848]
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- 17. <u>Kim S.</u>, Eghdamirad S., Sharma A., Kim J. H. (2020). Quantification of uncertainty in projections of extreme daily precipitation, *Earth and Space Sci.*, 2020, e2019EA001052-T, [2.900]
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- 21. <u>Kim S.</u>, Jun H. D., Yoo D. G., Kim J. H. (2019). A framework for improving reliability of water distribution systems based on a segment-based minimum cut-set approach, *Water*, 11(7), 1524, [3.103]
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- 31. Jun H. D., <u>Kim S.</u>, Yoo D. G., Kim J. H. (2009). Evaluation of the reliability improvement of a water distribution system by changing pipe, *J. Korea Water Resour. Assoc.*, 42 (6), 505-511, [-]

❖ 컨퍼런스

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학술대회 (주발표자)

- 1. <u>Kim S.</u>, Sharma A., Wasko C., Nathan R. How does total precipitable water link to precipitation extremes?, *MODSIM 2021*, Sydney, Australia
- 2. <u>Kim S.</u>, Zhang R., Sharma A., Lakshmi V. Improvements of satellite observations through data merging: status and challenges, *AGU fall meeting 2020*, San Francisco, CA, USA
- 3. <u>Kim S.</u>, Pham H., Liu Y., Sharma A., Marshall L. Combining geophysical variables for maximizing temporal correlation without reference data, *MODSIM 2019*, Canberra, Australia
- 4. <u>Kim S.(</u>초청), Guo Y., Wasko C., Sharma A. On soil moisture, rain and flood extremes in a warming climate using satellite remote sensing to define future antecedent conditions, *KSCC 2018*, Jeju, Republic of Korea
- 5. <u>Kim S.</u>, Ajami H., Sharma A. Incorporating an operational satellite-derived leaf area index into a computationally efficient semi-distributed hydrologic modelling application (SMART), *MODSIM 2017*, Hobart, Australia
- 6. <u>Kim S.</u>, Liu Y., Johnson F., Sharma A. A temporal correlation-based approach for spatial disaggregation of remotely sensed soil moisture, *AGU fall meeting 2016*, San Francisco, CA, USA
- 7. <u>Kim S.</u>, Liu Y., Johnson F., Parinussa R., Sharma A. Reducing Structural Uncertainty in AMSR2 Soil Moisture Using a Model Combination Approach, *AGU fall meeting 2014*, San Francisco, CA, USA
- 8. <u>Kim S.</u>, Liu Y., Johnson F., Parinussa R., Sharma A. Improvement of Soil Moisture Dataset Combining AMSR2 Soil Moisture Products, *OzEWEX 2014*, Canberra, ACT, Australia

자격증

■ Professional Engineer - Skill Level 1 Civil Engineer (Engineers Australia); 토목기사 (한국산업인력공단)

전문분야 및 보유기술

수문학/수자원공학, 인공위성 원격탐사, MATLAB, Python, ArcGIS/QGIS

연구경력

- 2017 년 4 월 2022 년 2 월 UNSW Water Research Centre 박사후 연구원
 - · 기후변화-환경 민감도 분석
 - · 원격탐사 데이터 검증, 개선 및 수문학적 활용
 - · 녹조발생 예측 모형 개발
- 2013 년 7 월 2017 년 3 월 **UNSW Sydney** 박사과정
 - · 원격탐사 데이터 검증, 개선 및 수문학적 활용
- 2006 년 3 월 2008 년 2 월 **고려대학교** 석사과정
 - · 상수관망 신뢰도 개선 및 최적화

교육경력

- 2017 년 4 월 2020 년 3 월 UNSW Sydney Post-doctoral teaching assistant
 - · 과목: Catchment and Water Resources Modelling (UG), Water Resources Engineering (PG)
 - · 코디네이팅 및 컨설팅 (620 명), 강의, 강의 및 평가자료 준비, Moodle(수업관리시스템) 관리
 - · 석사(연구) 연구지도 (1 명): 논문 3 편 게재 (논문번호 7, 8, 13)
 - · 석사(코스워크) 및 학부(honour) 논문 지도 (22 명): 논문 3 편 게재 (논문번호 9, 12, 22)
- 2013 년 7 월 2017 년 3 월 UNSW Sydney 조교
- 2006 년 3 월 2007 년 12 월 **고려대학교** 조교

학술활동

■ 학술지 리뷰: Remote Sensing of Environment, Journal of Hydrology, Environmental Research Letters, KSCE Journal of Civil Engineering 등

- 학회 세션 주관: AOGS 2020; MODSIM 2021
- 저널: MDPI Remote Sensing (topic editor, volunteer reviewer)
- **학회:** 대한원격탐사학회 (정회원), 한국수자원학회 (정회원), 대한토목학회 (정회원), Engineers Australia (정회원); Australian Water Association (정회원)

참여프로젝트

- 박사후 연구원
 - · 2020 년 4 월 2022 년 2 월: Assessing Water Supply Security in a Nonstationary Environment (DP200101326) funded by Australian Research Council (ARC)
 - · 2019년 5월 2020년 4월: A Fourier approach to address low-frequency variability bias in hydrology (DP180102737) funded by ARC
 - · 2017 년 4 월 2019 년 5 월: Adapting catchment monitoring and portable water treatment to climate change (LP160100620) funded by ARC
- 박사과정
 - · 2013 년 7월 2017 년 3월: Reducing Flood Loss -Data Assimilation Framework for Improving Forecasting Capability in Sparsely Gauged Regions (DP140102394) funded by ARC
 - · 2015 년 5월 2015 년 5월: NASA SMAP 토양습윤 데이터 검증 캠페인 (현장 데이터 측정)/Soil Moisture Active Passive Experiment - the 4th campaign (<u>SMAPEx-4</u>)