# 김 석 현



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#### 학력

- 2013 년 7 월 2017 년 11 월 UNSW Sydney\* 공학박사 (수자원공학/원격탐사)
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### 주요경력

-	2017 년 4월 - 현재	UNSW Water Research Centre 박사후 연구원
•	2013 년 7 월 - 2017 년 3 월	UNSW Sydney 박사과정 (논문제출: 2017/3; 학위수여: 2017/11)
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### 병역사항

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#### 수상 및 장학금

-	2021 년 5월	UNSW Sydney Strategic Research Fund (AUD 4,000)
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# 논문

[IF-JCR2020/ #Citations



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- 2. Kim S., Mehrotra R., <u>Kim S.(교신)</u>, Sharma A. (2021) Assessing countermeasure effectiveness in controlling cyanobacterial exceedance in riverine systems using probabilistic forecasting alternatives, *J. Water Resour. Plan. Manag.*, 147(10), 04021062, [3.054/0]
- 3. <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.*, Accepted, [5.600/0]
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- 5. 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, [10.164/2]
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- 7. <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, [5.600/1]
- 8. Magan B., <u>Kim S.</u>, Wasko C., Barbero R., Moron V., Nathan R., Sharma A. (2020). Impact of atmospheric circulation on the rainfall-temperature relationship in Australia, *Environ. Res. Lett.*, 15(9), 094098, **[6.793/3]**
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- 11. <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, [4.848/1]
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- 13. <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, [2.900/5]
- 14. Hagan D., Wang G., <u>Kim S.</u>, Parinussa R., Liu Y., Ullah W., Bhatti S., Ma X., Jiang T., Su B. (2020). Maximizing Temporal Correlations in Long-Term Global Satellite Soil Moisture Data Merging, *Remote Sens.*, 12 (13), 2164, [4.848/4]
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#### ❖ 컨퍼런스

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# 학술대회 (주발표자)

- 1. <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
- 2. <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
- 3. <u>Kim S.(</u>조청), 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
- 4. <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
- 5. <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
- 6. <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
- 7. <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

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- 2006 년 3 월 2008 년 2 월 **고려대학교** 석사과정
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### 학술활동

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### 참고인

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