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학력

- 2013 년 7 월 – 2017 년 11 월 **UNSW Sydney* 공학박사** (수자원/환경 원격탐사)
  - ** UNSW Sydney 순위 (2022) – QS (종합): 43 위; QS (토목): 12 위; ARWU 2021 (수자원): 8 위*
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- 2006 년 3 월 – 2008 년 2 월 **고려대학교 사회환경시스템공학과 공학석사** (수자원시스템공학)
  - 학위논문: "Study for improving water distribution system reliability" (영문)
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- 1997 년 3 월 – 2001 년 2 월 **고려대학교 토목환경공학과 공학사**

주요경력

- 2017 년 4 월 – 현재 **UNSW Water Research Centre** 박사후 연구원
- 2013 년 7 월 – 2017 년 3 월 **UNSW Sydney** 박사과정 (논문제출: 2017/3; 학위수여: 2017/11)
- 2008 년 1 월 – 2013 년 7 월 **현대건설** 대리 토목설계실 수자원/환경 설계담당

병역사항

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

수상 및 장학금 수혜

- 2021 년 5 월 **UNSW Sydney** Strategic Research Fund (AUD 4,000)
- 2017 년 5 월 – 2017 년 8 월 **UNSW Sydney** Postgraduate Writing Fellowship (AUD 6,500)
- 2013 년 7 월 – 2017 년 1 월 **UNSW Sydney** Tuition fee, stipend and top-up Scholarship
- 2007 년 – 2007 년 **고려대학교** 조교장학금; **GS 건설** 장학금; **한국연구재단** BK21 2 단계 장학금

논문실적

[IF: Impact Factor/C: #Citations from]

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[13] **Kim S.**, Eghdamirad S., Sharma A., Kim J. H. (2020). Quantification of uncertainty in projections of extreme daily precipitation, *Earth and Space Science*, 2020, e2019EA001052-T, **[IF: 2.312/C:4]**

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❖ 컨퍼런스

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학술대회 발표 실적 (주발표자)

[1] **Kim S.**, Zhang R., Sharma A., Lakshmi V. Improvements of satellite observations through data merging: status and challenges, *AGU fall meeting 2020*, San Francisco, CA, USA

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[3] **Kim S.[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

[4] **Kim S.**, 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] **Kim S.**, 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] **Kim S.**, 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] **Kim S.**, Liu Y., Johnson F., Parinussa R., Sharma A. Improvement of Soil Moisture Dataset Combining AMSR2 Soil Moisture Products, *OzEWEX 2014*, Canberra, ACT, Australia

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연구경력

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  - 데이터 기반 온도-환경 (유량, 강우 등) 민감도 분석
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- 2006 년 3 월 – 2008 년 2 월 **고려대학교** 석사과정
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교육경력

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참여프로젝트

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  - 2017 년 4 월 – 2019 년 5 월: *Adapting catchment monitoring and portable water treatment to climate change* (LP160100620) funded by ARC
- 박사과정
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  - 2015 년 5 월 – 2015 년 5 월: NASA SMAP 토양습윤 데이터 검증 캠페인 (현장 데이터 측정) / Soil Moisture Active Passive Experiment – the 4th campaign (SMAPEx-4)

참고인 목록

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