

Huidae Cho, Ph.D., GISP, PE (MD), CFM, M.ASCE

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Dr. Huidae Cho is an [Associate Professor](#) in the [Department of Civil Engineering](#) at [New Mexico State University](#) (NMSU). He previously served as an Assistant Professor of Geospatial Science and Computing in [the Institute for Environmental and Spatial Analysis](#) (IESA) at the University of North Georgia (UNG). He is also a senior GIS developer and [GRASS GIS developer](#).

He worked as a water resources engineer at a civil engineering consulting firm for 9 years and as a senior geospatial developer at a SaaS (Software as a Service) startup for 1 year. He also taught fluid mechanics and laboratory at [Kennesaw State University](#) for 8 semesters. His research interests include optimization theory, uncertainty analysis, and computational hydrology, especially the application of GIS to water resources engineering. He has been contributing to [GRASS GIS](#) development as a core developer since 1999 ([FreeBSD](#) porting, XDRIVER IPC version, packaging for [Cygwin](#) and [Slackware](#), [FreeType](#) font support, [TOPMODEL distributed hydrologic modeling](#), etc.). Before coming to the United States for pursuing his Ph.D., he was the development team leader at a Korean software company that developed a [LaTeX](#)-based digital library and cryptosystem applications such as DRM (Digital Right Management) and TRS (Tamper Resistant Software).

He serves as an editor for the [Journal of Spatial Hydrology](#) published by ScholarsArchive, Brigham Young University and as an invited reviewer for

- Mathematics published by MDPI,
- the International Journal of Environmental Research and Public Health published by MDPI,
- the Journal of Flood Risk Management published by Chartered Institution of Water and Environmental Management and John Wiley & Sons Ltd.,
- Sustainability published by MDPI,
- Water published by MDPI,
- Smart Water published by Springer,
- the Journal of Hydroinformatics published by International Water Association Publications,
- Resources, Conservation & Recycling published by Elsevier,
- Computers and Electronics in Agriculture published by Elsevier,
- the 2017 International Conference on Water Resource and Environment,
- the Journal of Hydrologic Engineering published by the American Society of Civil Engineers,
- Applied Mathematics and Computation published by Elsevier,
- PLOS ONE published by the Public Library of Science,
- the Journal of Water Resources Planning and Management published by the American Society of Civil Engineers,
- the Journal of the Operational Research Society published by the Operational Research Society,
- the European Journal of Operational Research published by Elsevier, and
- the Journal of the American Water Resources Association published by the American Water Resources Association.

TODOs

2020 academic opportunities

- [hcho][✓ hcho, 2020-02-04] [Abstract due by Tuesday, February 4](#)
- [hcho][✓ hcho, 2020-02-14] [Application due by Saturday, February 15 at 5pm](#)
- [hcho][✓ hcho, 2021-01-21] [Discuss travel reimbursement](#)
- [hcho][✓ hcho, 2021-01-21] [Registration by Tuesday, May 12](#)

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