

# Ming Liu

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Add: 29 Xueyuan Road, Beijing 100083, China

RESEARCH AREA: Environmental Remote Sensing



## EDUCATION

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### School of Information Engineering, China University of Geosciences (Beijing)

09/2014 - 07/2017 M.S. degree in surveying and mapping science and technology GPA: 87/100  
09/2010 - 07/2014 B.S. degree in geographic information science GPA: 3.48/4.0

## RESEARCH EXPERIENCE

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### Large-scale dynamic monitoring of heavy metal stressed rice based on assimilation of remote sensing data and crop growth model (National Natural Science Foundation of China No. 41371407)

- Collect measured data in the fields and pre-process multi-source remote sensing images
- Research on multi-factor assimilation method and multi-source remote sensing data coordinative method
- Improve the crop growth model WOFOST with matlab
- Published one paper as first author in SCI journals: *Liu Ming, et al. (2016). Root mass ratio: index derived by assimilation of synthetic aperture radar and the improved World Food Study model for heavy metal stress monitoring in rice. Journal of Applied Remote Sensing, 10(2), 026-038.*

### Assist adviser to compiling a textbook “Principle and Method for Spatial Analysis”

- Document retrieval and data compilation
- Making corresponding PPT for each chapter

## PROFESSIONAL PRACTICE

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07/2016 2016 “quantitative remote sensing” summer course in Peking University  
07/2016 Beijing Aerospace TITAN Technology Co.,LTD Write technical documents and propose solution  
06/2015 2015 Geoinformatics Summer School in Wuhan University Completed the course of and participated in the practice Spatial Statistic & Analysis, obtained “Certification of outstanding participant”  
07/2014. Xianyang Geographic Information Bureau of Surveying and mapping Vectorization and data update  
03/2012 Esri GIS Software Development Contest 2012 3D modeling and interface design.

## STUDENT EXPERIENCE

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09/2015 – 09/2016 Vice President of the Graduate Student Union  
05/2016 The Second Prize of Capital College Students psychological Comic Contest  
09/2012 – 10/2013 Director of Secretary Department, Student Union  
04/2013 The Third Prize for women’s 100-metre race in the university sports-meeting  
09/2010 – 07/2014 Volunteer in Beijing Marathon, 60<sup>th</sup> anniversary of China University of Geosciences, Beijing Botanical Garden, Compassion for Migrant Children organization

## HONORS&AWARDS

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National Scholarship, The first class scholarship, Merit Student, Outstanding Dormitory

## SKILLS & CERTIFICATES

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- CET-6 526 • NCRE Certificate of China, C++ Grade 2 • National Mandarin Test (Level 1; Grade B)
- Good knowledge of satellite-borne remote sensing. Skilled in ENVI, ArcGIS, ERDAS, eCognition
- Skilled in general methods of literature retrieve, have scientific research and practical work abilities. Skilled in EndNote
- Proficient in MS Word, Excel, PowerPoint, Sway;
- Familiar with SPSS, Origin, CorelDRAW; Familiar with mind mapping software

## HOBBIES

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- Swimming • Drawing