

MENGWEI CHU



COUNTRY OF ORIGIN / BIRTH COUNTRY

China

EDUCATIONAL BACKGROUND

Water Conservancy and Hydropower Engineering

WHY I CHOSE HYDROINFORMATICS:

Hydroinformatics concentrates on the application of ICTs in addressing the increasingly serious problems of the equitable and efficient use of water for many different purposes. I studied Water Conservancy and Hydropower Engineering in my university, I like this specialization and also information and communications technologies. It is a combination, which makes me choose hydroinformatics. Also, my professor suggested programme between IHE and HOHAI university to me. This programme aims to foster a common international technical culture by educating students from all over the world, drawing upon the resources and expertise of universities across Europe. It provides opportunities for graduates with degrees in a range of scientific and engineering disciplines to become hydroinformatics professionals.

HOW I WILL USE THE KNOWLEDGE GAINED IN THE PROGRAM BACK IN MY OWN COUNTRY:

Hydroinformatics which is formed in the early 1990, is a new interdiscipline, combined with the modern information technology, numerical simulation and physical model, solving the problem of water resources and environmental science. It provides a quantitative training in hydrology, hydraulics and modern ICT within the context of water management and a common international technical culture. It provides a quantitative training in hydrology, hydraulics and modern ICT within the context of water management and a common international technical culture. Graduates will be equipped to follow a career in the water sector. What is more, I have learned how to use some modellings, like MIKE-SHE, MIKE-11,SOBEK, which is super useful to me. I would share what I learned in the programme to others when I am back in my country.

RESEARCH INTERESTS

(OPTIONAL – DESCRIBE RESEARCH THAT YOU HAVE PREVIOUSLY DONE (OR WOULD LIKE TO DO IN THE FUTURE))

My hometown is Bengbu, from Anhui province. Bengbu is located in the southeast of the north China plain, on the Huai River, and Huai River is one of the biggest river in China. Therefore, my research interest is about Huai River. But I just graduated from university last year and do not have work experience now. What I am talking about is what I would like to do in the future.

Due to environmental change, water conservancy project construction and human activities, these years, many problems are created, especially flood problem. Key problems of changes in this river-lake relationship and the Huai River flood control are tackled, involving flood control and disaster alleviation ability of the Basin, engineering and non-engineering measurements applied to flood control and disaster mitigation, and water governance for adaptive management.



I just see a piece of news that this year, state of the climate in my country is not good, extreme weather events happened. Probably large floods will occur in Huai River in this flood season. I really want to work hard and help my country.

