

CHUNSHENG CHENG



COUNTRY OF ORIGIN / BIRTH COUNTRY

China

EDUCATIONAL BACKGROUND

10/2017 – M.Sc. Hydroinformatics, UNESCO-IHE, Netherlands

09/2013 – 06/2017 – B.Eng. Hohai University, China

WHY I CHOSE HYDROINFORMATICS:

Hydroinformatics part in Delft was actually one of the things which convinced me to apply for this Master. The course aims at enriching traditional engineering practice by introducing innovative approaches in order to open up for us much broader perspectives. The course introduces us to the process of developing mathematical models as a means for solving real problems, by looking at several different modelling situations that utilize a variety of topics, but with continued reference to our use in finding the solutions to problems. Besides, The Netherlands is very well known for their flood management, and we can learn a lot from the way they have developed and introduced Hydroinformatics. I'm very interested in the Hydroinformatics course in IHE, so I choose it.

HOW I WILL USE THE KNOWLEDGE GAINED IN THE PROGRAM:

I can use my knowledge in China's Sponge City Program.

As we all know, the rapid, large-scale urbanisation of China over the past quarter century has had a major impact on the water systems it depends on for survival. 662 cities have recently been affected by severe water crises, as periodic flooding and drought have become widespread. 2013 was a particularly bad year. More than 230 cities were affected by heavy flooding, triggering widespread concern across China. With climate change threatening to exacerbate these problems and bring even more extreme weather

But a shift seems to be taking place. The Chinese government has developed a strategic plan to step up environmental improvement and ecological protection and accelerate the building of a resource-saving and environment-friendly society. The government's Ministry of Water Resources has selected 104 cities to pilot-test what it calls "water ecological civilization" principles that will strive to create a balance between the environment and economic development.



Cultural Plaza Kunshan



Bird Airport at Tinjin