

### **Novel bioretention systems for stormwater management-development and applications**

The stormwater management strategy has taken a great change from the conventional approach (to drain surface runoff away as quickly as possible by means of highly efficient concrete drains) to the more sustainable approach which is to attenuate the peak flows by temporarily storing the water and then slowly releasing it into the system and to clean the stormwater at the source. With two-third the total area in Singapore as water catchment, there are great incentives to improve the stormwater runoff. In this talk, the novel bioretention system development and application in local conditions will be shared and the novel systems demonstrate a great potential in stormwater management.