

## WEBINAR

# “Low Water Flow Design in Chiller Plants”

Wednesday | 20 May 2020 | 2.30 p.m. – 4.30 p.m.

Building Services Technical Division (BSTD)

### SYNOPSIS

High performance chiller plant is becoming more and more popular in HVAC industry. To achieve it, the optimized chiller plant design in terms of water flow rate and temperature plays an important role during design phase.

Low water flow concept in chilled or/and condenser sides of chiller plant are recommended by ASHRAE Green Guide in order to improve total chiller plant performance.

This seminar will discuss how low water flow helps improve chiller plant efficiency and what are positive and negative impacts on plant performance.

Low flow could be designed in different ways with different water supply and return temperatures and would have different impacts on chilled water and condenser loops. How to apply low flow properly in chiller plant and the limitations will also be shared.

### SPEAKER

#### Dr. Zhao XiJing, Ph.D Mechanical Eng

Dr. Zhao Xijing is working with Daikin Asia applied product, system solution team as a senior manager. She has more than 15 years experience in air-con design, HVAC system application and energy solution, green building, chiller plant energy audit and retrofitting. After graduated from National University of Singapore with Ph.D degree, in Mechanical Engineering, she worked with Trane Air Conditioning, Johnson Control, and Singapore BCA Green Mark in areas of product solution, chiller plant energy strategy, and Green Mark assessment & verification before joining Daikin. She is Singapore Certified Energy Manager, Green Mark Facility Professional, and LEED AP BD+C.



#### Target audience:

Those who are passionate (or simply curious) about chilled water application and would like to understand more

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