



SIA – Fast Flow Professional Knowledge Seminar: Urbanisation > Built Environment > Sustainability > Challenges in the design for Rainwater Systems. Are current codes and standards keeping pace with the needs and demands from Architects or are they becoming irrelevant?

Urbanisation is taking place on a global scale. The nature and design of buildings, structures and infrastructure is changing because there is pressure to ensure the 'built environment' is 'sustainable'. Rainwater is one of the key sources of moisture which affects buildings and its building envelope which is the roof and the facade. What are the new challenges for Rainwater Systems in these new buildings and structures?

It depends on where you are! Decisions of what water to collect, how to collect, where to collect, dictate solutions. However, what is common to all solutions is that the rainwater system must perform and be capable of collecting the rainwater from identified areas and spaces and transporting the rainwater to its designated discharge point safely and without leakage. Many countries are actively collecting the rainwater for re-use and others are temporarily storing the water to reduce overloading infrastructure drainage. Different uses! Different solutions!

What are these solutions? Current global codes and standards are generally relics from the history books and have not kept pace with the effects of urbanization. Industry is driving change despite the shortcomings of the codes and standards. This Seminar aims to provide a different perspective.

Presentation Topics:

Drainage of 'Open to Sky' areas

- What is 'open to sky' drainage?
- Review of current international codes and practices
- Insights into the design and use of gravity drainage systems
- A brief introduction to the use of Siphonic Systems. A game changer!

Drainage of 'Wind-Driven Rain Spaces'

- What are Wind-Driven Spaces?
- Absence of codes and standards
- Review of current practices
- What are the Risks for Specifiers?
- An introduction to an engineered solution

Case Studies:

'Open to Sky' areas and 'Wind-Driven Spaces'

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Event Details

Date	: Thursday, 4 th July 2019
Time	: 2.45 pm – 5.00 pm
Venue	: SIA Theatre Level 3 79 Neil Road, Singapore 088904
CPD Point	: 2
Seminar fee	: SIA members (complimentary) Non members (SGD 70)

Programme Schedule

2.45 pm	: Registration with light refreshment
3.00 pm	: Seminar Commences
4.30 pm	: Q&A
5.00 pm	: End of event

For registration please visit <http://members.sia.org.sg/go.html?1>

