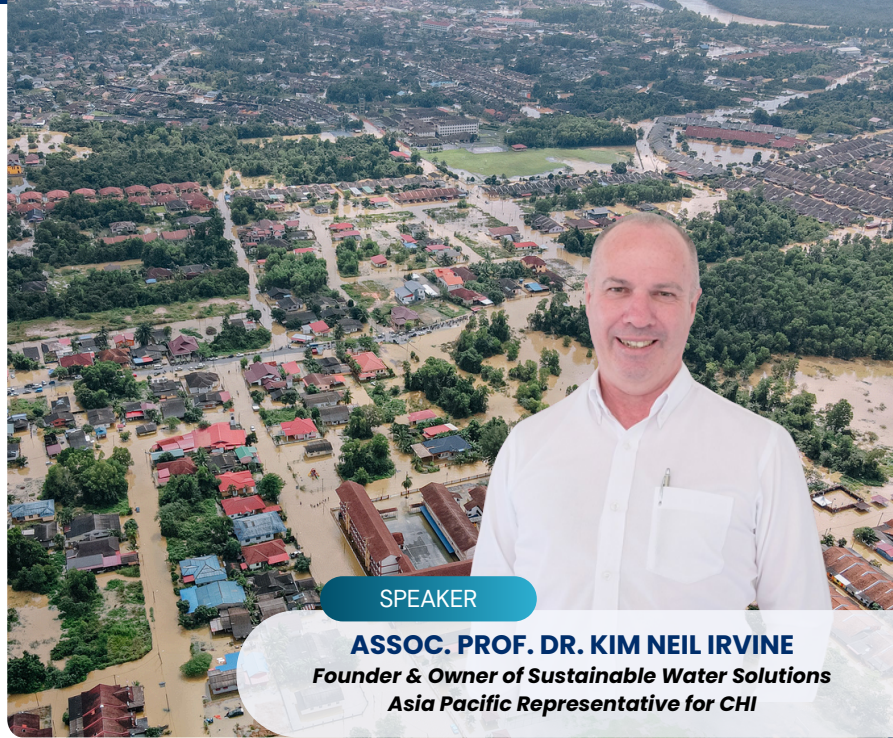


PCSWMM

Training 1.0

Includes FREE BUKA PUASA TREAT!

FOUNDATIONS OF HYDROLOGIC AND HYDRAULIC MODELING



SPEAKER

ASSOC. PROF. DR. KIM NEIL IRVINE
 Founder & Owner of Sustainable Water Solutions
 Asia Pacific Representative for CHI

3-Days Workshop

"Kickstart your journey in urban water management with PCSWMM basics!"

DATE & VENUE



- 24-26 March 2025
- 9:00 am to 5:30 pm
- Kuala Lumpur

PROGRAM FEE



- RM 2,950/Pax
Including 8% Tax

CPD HOURS



- CPD Points 8 Hours/Day

SYNOPSIS

PCSWMM 1.0 provides a **foundational understanding of hydrologic and hydraulic modeling for urban drainage and stormwater management**. Participants will learn PCSWMM setup, GIS integration, LID techniques, and 1D simulations, ensuring compliance with MSMA guidelines. Ideal for beginners looking to build essential skills in stormwater modeling.

OBJECTIVES

- 01 Understand the **basics of hydrologic & hydraulic modeling** for urban drainage and stormwater management.
- 02 Apply **MSMA guidelines** in stormwater system design.
- 03 Use PCSWMM for **project setup, GIS, and LID modeling**.
- 04 Simulate **1D stormwater** and water quality models.
- 05 **Analyze & optimize** drainage system performance.
- 06 Build a strong **foundation** for advanced PCSWMM applications.

WHO SHOULD ATTEND:



**Engineers & Hydrologists,
 Disaster & Flood Management Professionals,
 Researchers & Academics**



HRD CLAIMABLE
(to be applied)



REGISTER HERE



CONTACT US



019-412 9572 (Mrs. Fatin)



011-339 275 92 (Mrs. Afiqah)



training@ndz-solutions.com

WHY SHOULD ATTEND?

“Get **hands-on experience** in optimizing stormwater design to comply with **MSMA and regulatory standards**, using laptop-based simulations and **Excel templates** for real-world project applications (worth RM2,950).”



DIFFERENCES BETWEEN PCSWMM 1.0 & PCSWMM 2.0

	PCSWMM 1.0 (FUNDAMENTALS)	PCSWMM 2.0 (ADVANCED)
Skill Level	Beginner/Intermediate	Advanced
Focus	Basic PCSWMM setup, MSMA compliance, GIS, LID	1D-2D modeling, post-processing, flood simulation
Software Application	1D hydrologic & hydraulic modeling	1D-2D integrated modeling & water quality analysis
Hands-On Training	Project setup, GIS, LID, continuous/event-based modeling	Simulation of advanced flood scenarios, risk analysis, and decision-making
Outcome	Build foundational skills for PCSWMM	Apply PCSWMM for in-depth urban flood risk assessment and decision-making

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TENTATIVE Programme

DAY 1

Monday, 24 March 2025 | 9.00 am- 5.30 pm

TIME	AGENDA
8.00- 9.00 am	Breakfast and registration
9.00- 10.00 am	Introduction to the Workshop and MSMA: <ul style="list-style-type: none"> Understanding How MSMA Transforms Stormwater Management Design Criteria and Requirements: Smarter Solutions for Rainfall and Runoff Design Experience Sharing: Real-world Application of PCSWMM in the PISMA Project Meet the Instructors, Review Workshop Goals, and PCSWMM Setup.
10.00-10.30 am	Tea break
10.30-11.30 am	<ul style="list-style-type: none"> PCSWMM Theory: Hydrologic and Hydraulic Principles Water Quality Modeling Continuous vs Event-Based Modeling
11.30-12.30 pm	Hands-on PCSWMM: Basic Project Setup <ul style="list-style-type: none"> Decision-making for Model Approach & Attribute Characteristics Continuous vs Event-Based Water Quantity Simulation for Test Subcatchments
12.30-2.00 pm	Lunch break
2.00-3.00 pm	Hands-on PCSWMM: Water Quality Simulations
3.00-3.30 pm	Low Impact Development (LID) Technology Theory in PCSWMM (Also Known as SUDS or WSUD)
3.30-4.00 pm	Tea break
4.00-5.30 pm	Hands-on PCSWMM: LID Technologies

DAY 2

Tuesday, 25 March 2025 | 9.00 am- 5.30 pm

TIME	AGENDA
8.00- 9.00 am	Breakfast and registration
9.00-10.00 am	Introduction to GIS Layer Import and Time Series Import
10.00-10.30 am	Tea break
10.30-11.00 am	Calibration and Validation Procedures in PCSWMM
11.00-12.30 pm	<ul style="list-style-type: none"> Overview of PCSWMM 2D Overview of Pump Stations Overview of In-line Storage and Treatment
12.30-2.00 pm	Lunch break
2.00-4.00 pm	Project Model Development: Example Setup for Malaysia
4.00-4.30 pm	Tea break
4.30-5.30 pm	Final Questions and Workshop Wrap-up

DAY 2

Wednesday, 26 March 2025 | 9.00 am- 5.30 pm

TIME	AGENDA
8.00- 9.00 am	Breakfast and registration
9.00-10.00 am	Hands-on: 1D Hydrodynamic Modeling for Water Quality
10.00-10.30 am	Tea break
10.30-12.30 pm	Hands-on: 2D Surface Flow Modeling for Water Quality
12.30-2.00 pm	Lunch break
2.00-4.00 pm	Hands-on: Water Quality Modeling and Analysis
4.00-4.30 pm	Tea break
4.30-5.30 pm	Final Questions and Workshop Wrap-up

CONTACT US



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