



SESOC SOFTWARE PLUS:

How to get the most from your SESOC software

Seminar Series

2022

DUNEDIN 4 JULY	CHRISTCHURCH 6 JULY	NELSON 7 JULY	WELLINGTON 8 JULY	HAMILTON 18 JULY	WHANGAREI 19 JULY	AUCKLAND 20/21 JULY
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Why you and your employees should attend this seminar?

Join us for this comprehensive and action-packed event – the first ever seminar exclusively on the SESOC software suite !!

SESOC provides a range of 'niche' structural software – typically not available elsewhere, and freely available as an exclusive membership benefit.

This seminar will cover both the older (but much loved and well-used) software, plus the more recent additions :

- MemDes+, a tool covering analysis, design & serviceability for single members
- the NZ-specific shear wall design program, Gen-Wall
- MemDes v4 enhancements, opening up wider section options

General coverage for each program will include an overview, detailed information, applicability, etc.

As a bonus, get an update on the two soon-to-be published retaining wall design guides on (i) Cantilever Timber Pole Retaining Walls, and (ii) Reinforced Concrete Cantilever Retaining Walls, with more substantive coverage of the former. This will include the broad principles, soil mechanics, and analysis formulation. These guides have been prepared by structural engineers, for structural engineers, with Geotech input.

All your questions answered – plus. Where possible, industry/typical examples will be used to demonstrate the features and use cases.

Seminar coverage

- Overview and demonstration of the suite of SESOC software, including:
 - BeamDes, Soils, Gen-Col, and MemDes
 - Recently deployed: MemDes+, Gen-Wall
 - Recently updated: MemDes v4
 - Common software features, including batch/ auto mode
 - Software verification – overview
- New SESOC retaining wall design guides – a first look at these soon-to-be-published design guides, with more detailed coverage of the pole wall design guide
- Q&A: provision for Q&A throughout, plus at the end

Other benefits

- Seminar notes will include an advance copy of the new pole retaining wall design guide
- Time efficient coverage of the complete SESOC Software Suite and capabilities
- Interact directly with those leading the SESOC software team, plus provide feedback
- Opportunity to network with industry peers

Who should attend

- Structural engineers
- Current and potential SESOC software users

SPEAKER PROFILES

Geoff Bird

Geoff is a practising structural engineer, a senior associate with Beca, Auckland, and a member of the SESOC Management Committee (~25 years). His current role is responsibility for the SESOC Software Portfolio.

Geoff was the original developer of MemDes, co-author of the SESOC Simplified Design of Steel Members design guide, with involvement in a range of technical and structural software initiatives since.

Allan McPherson

Allan McPherson is a director of Maxx Information Systems Ltd, which provides software development and support services to SESOC.

After starting his career as a structural engineer, Allan has now worked in the Information Technology industry for over 30 years. He has specialized in technical software development, and has been involved in a variety of engineering and office productivity projects.

PROGRAMME

Time	Details
12.30pm - 1.00pm	Registration, tea and coffee, networking
1.00pm - 2.00pm	Session 1 Introduction & Overview Overview of software suite Registration system, software support Field sanity checks Batch mode/auto-processing Basic BeamDes SESOC Soils Pad foundations: strip & pad Retaining: Cantilever timber pole & RC Wall Deep foundations: piles
2.00pm - 3.00pm	Session 2 MemDes+ Range of applicability, use cases, etc MemDes Overview of this design tool – a long-time staple MemDes v4.0 enhancements, including: User customised sections from library Enhanced Welded Beam custom sections BridgeBeam Brief coverage
3.00pm - 3.20pm	Afternoon tea
3.20pm - 4.10pm	Session 3 Gen-Col Modes of operation, applicability, etc Gen-Wall Scope of use, terminology, etc Technical basis, limitations, appropriate use Ease of use - automatic bar layout, non-standard parameters
4.10pm - 5.00pm	Session 4 New retaining wall design guides Approach, foundational principles Overview of documents & methodology Additional coverage of the pole design guide Feedback, discussion, Q&A

VENUES

Week 1

Dunedin

Monday, 4 July

Scenic Hotel Southern Cross
118 High Street
Dunedin 9016

Christchurch

Wednesday, 6 July

Links Function & Events Centre
45 Horseshoe Lake Road, Shirley,
Christchurch 8061

Nelson

Thursday, 7 July

The Nelson Hotel
40 Waimea Road
Nelson, New Zealand

Wellington

Friday, 8 July

Area Events, Boulcott
Suites
1 O'Reilly Ave
Wellington 6011

Week 2

Hamilton

Monday, 18 July

The Verandah
Hamilton Lake Domain
Rotoroa Drive
Hamilton 3204

Whangarei

Tuesday, 19 July

Forum North
7 Rust Avenue,
Whangārei 0140

Auckland North side

Wednesday, 20 July

North Harbour Stadium
Stadium Drive, Albany,
Auckland 0632

Auckland Central

Thursday, 21 July

Ellerslie Event Centre
100 Ascot Avenue,
Ellerslie,
Auckland 1050

INVESTMENT DETAILS

Members \$360 (GST exclusive) per person

Non-members \$440 (GST exclusive) per person