



Canadian Operational Research Society
Calgary Section

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PROFESSIONAL DEVELOPMENT SEMINAR

When: Noon to 1:00 PM, Friday, Apr. 19, 2013

Room SH462 (Scurfield Hall Rm. 462)
University of Calgary, Main Campus
2500 – University Dr. NW, Calgary, AB

SPEAKER

Owen James
Asset Management Specialist
Associated Engineering

TOPIC

**Risk & Value – A Practical Approach to Effective
Decision Making in a Large Water and Wastewater Utility**

Abstract:

Anglian Water is a large water and wastewater company serving a population of over 6 million in the East of England. It typically spends a capital budget the equivalent of \$450 million every year on maintaining, improving and expanding its asset portfolio comprising some 140 WTW, 1250 STW 90,000km of pipeline and some 5000 pumping stations. Key to the success of the company is the optimal allocation of funds for which it employs a number of approaches to target investment appropriately.

At a strategic level asset risk is evaluated for each asset component drawing upon a number of layers of modelling for deterioration and consequence. However, the approach, although sophisticated, does not adequately facilitate day to day decision making. Another approach termed 'Risk & Value' fills that gap enabling investments to be prioritized, options to be compared and design changes to be evaluated in a transparent manner that can be performed on a flipchart or whiteboard. Coupled with skilled facilitators, strong governance and the introduction of a common language it is as powerful as the sophisticated modelling and optimization tools that computer technology enables today.

About the Speaker:

Owen James, M.Sc., C.Env, C.WEM is an Asset Management specialist with over 16 years of experience developing and implementing Asset Management capability in one the largest water and wastewater utilities in the UK. As Investment Decision Manager and more recently Risk & Value Manager, Owen implemented robust and workable approaches to decision making primarily in capital programs enabling the company to realize more focussed investment and generate significant efficiency savings.

There is no charge for attending the meeting. The room is available until 1:30 PM for those interested in staying afterwards to mingle and meet other OR practitioners. You are welcome to bring your lunch.

Directions to the Meeting Room

On the attached map of the U of C Campus, the Scurfield Hall building is the building marked "SH" on Campus Place, fairly close to the LRT Station. It is in room 462.

Parking

The closest parking is in the L32 lot, shown in yellow at the bottom of the map. From 24th Ave. NW, turn onto Campus Gate, then right on Campus Drive and the parking lot is on the right.

- Free parking will be available for those confirming attendance no later than 11/April. Contact Ada Routly (ada.routly@haskayne.ucalgary.ca) to request a parking permit. Parking permits will be sent by mail. After 11/April we may provide parking permits on the day of the event subject to availability. Those with permits may park on lot L31 (see map attached to the email).
- Paid parking is available for \$8.00/day in the Parkade (AB on the map) or for \$5.00/day in lot L32.