

## **RICHARD J. ROBY, P.E., Ph.D.**

### **PUBLICATIONS AND PRESENTATIONS:**

Jankiewicz, S.P., Siang, C.C., Yao, X., Santangelo, P.E., Marshall, A.W., Roby, R.J. “Analyzing Fire-Induced Dispersion and Detector Response in Complex Enclosures Using Salt-Water Modeling”, *Fire Safety Journal*, accepted for publication, 2014.

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McAllister, J.L., Carpenter, D.J., Roby, R.J., Purser, D. “The Importance of Autopsy and Injury Data in the Investigation of Fires”, *Fire Technology*, accepted for publication, DOI: 10.1007/s10694-013-0341-x

McAllister, J.L., Roby, R., Levine, B., Purser, D., “The Effect of Sodium Fluoride on the Stability of Cyanide in Postmortem Blood Samples from Fire Victims”, *Forensic Science International*, Volume 209, pp. 29-33, May 2011.

Olenick, S.M., Roby, R.J., and Carpenter, D.J., “Re-Visiting the Michael Ledford Fire Incident” Proceedings of the International Symposium on Fire Investigation Science and Technology (ISFI), 2010.

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Milarcek, B.L, Olenick, S.M., and Roby, R.J., “A Relative Time Analysis of the Performance of Residential Smoke Detection Technologies” *Fire Technology*, (accepted and available online).

- Olenick, S.M., Roby, R.J., Carpenter, D.J., and Goodman, A., "Evaluation of the NFPA 72 Spacing Requirements for Waffle Ceilings", Proceedings of the National Fire Protection Research Foundation Suppression and Detection Research and Applications Conference (SUPDET 2008), 2008.
- Zhang, W., Olenick, S.M., Klassen, M.S., Carpenter, D.J., Roby, R.J., and Torero, J.L., "A Smoke Detector Activation Algorithm for Large Eddy Simulation Fire Modeling," Fire Safety Journal, v.43, n.2, 2008.
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