

Measuring and Simulating Hazards in the Distribution Environment: From Field Data to Packaging Optimisation

A hands-on workshop presented by:

The Engineered Packaging and Distribution Research Group, Victoria University
and
Lansmont Corporation, USA



- When:** Thursday 19th June 2014
- Venue:** Environmental and Distribution Dynamics Laboratory
Victoria University – Werribee Campus, Victoria, Australia
- Cost :** AUD 400.00 (Early bird - before April 4, 2014) or AUD 500.00
- Includes:** Workshop notes, transport from/to Melbourne CBD, lunch, morning and afternoon coffee breaks

This one-day hands-on workshop covers the fundamentals of and latest developments in protective packaging and distribution hazards. The programme includes:

- Demonstration of package testing and hazard simulation equipment
- Hands-on configuration of Lansmont's Saver field data recorder (numerous instruments and computers will be available)
- Hands-on analysis of shock, drop, vibration, temperature and humidity data using Lansmont's SaverXware application
- Use vibration PSD data to configure a large-scale vibration table for package testing
- A presentation focusing on a critical review of the latest developments in laboratory shock and vibration test protocols
- A presentation on the latest developments in simulating realistic distribution shock and vibrations.
- Hands-on activities to apply statistical analysis to field data and configure vibration controllers to simulate realistic transport vibrations.

Instructors:

- Associate Professor V. Rouillard, Leader, Engineered Packaging and Distribution Research Group, Victoria University
- Associate Professor, M.A. Sek, College of Engineering and Science, Victoria University
- Prof (Hon) D. Shires, Chief Consultant, Smithers-PIRA, UK
- E. Joneson, Vice-President, Technology, Lansmont Corporation, USA
- D.Y.M. Jin, Asia Manager, Lansmont Corporation, USA

Programme:

Time	Activity
8:30 – 9:00	Transport from Melbourne City (IAPRI 2014 Conference venue) to Victoria University Werribee Campus
9:00 – 10:30	Fundamentals of protective packaging and distribution hazards
10:30 – 11:00	Coffee break
11:00 – 12:30	Collecting and analysing field data using Lansmont's Savers
12:30 – 13:30	Lunch
13:30 – 15:00	Review of shock and vibration testing standards and protocols
15:00 – 15:30	Coffee break
15:30 – 17:00	Analysis and laboratory simulation of realistic distribution shock and vibrations
17:00 – 17:30	Transport back to Melbourne City (IAPRI 2014 Conference venue)