

# JAGJIT (JAY) SINGH

## **EDUCATION**

- Ph.D. Michigan State University, East Lansing, MI.  
Packaging Dissertation: Package Performance for Liquid Hazardous Materials in High Altitude Shipments, 2003
- M.S. Michigan State University, East Lansing, MI  
Packaging, Thesis: Evaluating Performance of Internal Packaging for Damage to Glassware, 1998
- B.S. Poona University, Pune, India  
Electrical Engineering, 1992.

## **PROFESSIONAL EXPERIENCE**

- 08/2003 - present **ASSISTANT PROFESSOR**, Industrial Technology, Orfalea College of Business, California Polytechnic State University, San Luis Obispo, CA
- 01/2003 – 08/2003 **RESEARCH ASSOCIATE**, School of Packaging, Michigan State University, East Lansing, MI.
- 01/1995 - 12/2002 **TEACHING ASSISTANT**, School of Packaging, Michigan State University, East Lansing, MI.
- 07/1993 - 12/1995 **RESEARCH AIDE**, School of Packaging, Michigan State University, East Lansing, MI.

## **RESPONSIBILITIES:**

**TEACHING:** Teaching and course development in undergraduate courses covering packaging dynamics, machinery, materials and systems. Proposal preparation and grant development towards new and donated equipment and related projects.

**RESEARCH:** Projects related to package design, product protection, cushion design, environmental measurement and simulation of dynamic forces, Radio Frequency Identification, environmental impact of protective packaging materials for transportation, fresh produce packaging and e-commerce. Management of package testing and research laboratory. Planning and management of various jointly funded industry research projects.

## **COMPANIES CONSULTED INCLUDE:**

Have served as part of consulting teams to over sixty domestic and international companies. Projects include developing packaging line systems, package design for product protection, evaluate package specifications, automation for packaging. Written over sixty reports on various studies done to test and evaluate packaging systems

### **Automotive :**

Ace Paper	Arca Systems	Bosch
Buckhorn	CHEP	Denso Automotive
Ford Motor Co.	Lansmont	Macro Plastics
Mitsubishi		

### **Pharmaceutical/Medical Device:**

CARGOpak	HazmatPac	LabelMaster
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Morton Grove Pharm. Wyeth

**Food & Beverage:**

Anheuser Busch	Aurora Foods	Coca Cola
Coors	Gray & Co.	Johnsonville
Keep Cool	Kellogg's Company	Knouse Foods Inc.
Land O' Lakes	Musselman's	Nestle'
Pepsi	Therma-A-Snap	

**Consumer Product:**

Avon	Barnes and Noble	Chase
Columbia House	Creative Industries	Ethan Allen, Inc.
Libbey Glass	Murray Equipment'	Proflowers.com
Simmons	General Electric	Hemlock
PPG Glass	Yorktowne Cabinets	Ervin Industries
Ziploc		

**Containers & Pallets:**

Airdex International	Arca Sytems	Batelle Corporation
Buckhorn	CARGOpak	CHEP
Cookson	Dometic Corporation	Greystone
Hays	HAZMATPAC	Labelmaster
Menasha-Orbis	Modular Plastics	Monoflo
Nucon	Pioneer Hi-Bred	Rehrig Pacific
Rheem	Sol Plastics	

**Packaging Materials & Systems:**

E-Tech	Geopax, Limited	Mobil Chemicals
Paneles Aislantes	Loersch, USA	Cargill Dow LLC

**Transportation & Logistics:**

FedEx	UPS	USPS
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**PROFESSIONAL ASSOCIATIONS**

American Society for Testing and Materials (ASTM), member

ASTM committee D-10, Co-chair on the task groups for RFID at the case and pallet level

Association of Independent Corrugated Converters, member

Cal Poly Center for Global Automatic Identification Technologies, Founding Member

Cal Pack Institute, Cal Poly, Primary Investigator

Cal Poly Packaging Association (CPPA), Advisor

Cal Poly Packaging Program, Coordinator

Indian Student Association, Cal Poly, Advisor

Institute of Packaging Professional (IOPP), member

International Association of Packaging Research Institutes (IAPRI), full member

International Corrugated Packaging Foundation, member

International Safe Transit Association (ISTA), member

National Association for Industrial Technology (NAIT), member

Packaging Advisory Board, Cal Poly, Chair

Packaging Machinery Manufacturers Institute (PMMI), member

Paperboard Packaging Alliance, member

Poly Pack, Cal Poly, Advisor

Produce Marketing Association, RFID Produce Action Group, member

The National Institute of Packaging Handling and Logistics Engineers (NIPHLE), member, academia POC

Tube Council, Associate member

Western Packaging Association, Honorary member