2006 IEEE Symposium on Product Safety Engineering

Irvine, CA 23-24 October 2006



IEEE Catalog Number: ISBN:

06EX1365 1-4244-0347-2

Copyright \odot 2006 by The Institute of Electrical and Electronics Engineers, Inc. All Rights Reserved

Copyright and Reprint Permissions: Abstracting is permitted with credit to the source. Libraries are permitted to photocopy beyond the limit of U.S. copyright law for private use of patrons those articles in this volume that carry a code at the bottom of the first page, provided the per-copy fee indicated in the code is paid through Copyright Clearance Center, 222 Rosewood Drive, Danvers, MA 01923.

For other copying, reprint or republications permission, write to IEEE Copyrights Manager, IEEE Operations Center, 445 Hoes Lane, Piscataway, New Jersey USA 08854. All rights reserved.

IEEE Catalog Number: 06EX1365

ISBN: 1-4244-0347-2

ISSN: 2006923468

Additional Copies of This Publication Are Available from:

IEEE Service Center

445 Hoes Lane

Piscataway, NJ 08854

IEEE Service Center

445 Hoes Lane

Piscataway, NJ 08854

Phone: (800) 678-IEEE

(732) 981-1393

Fax: (732) 981-9667

E-mail: customer-service@ieee.org

Table of Contents

Outdoor ITE Global Deployment	1
A GENERIC BBN SAFETY MODEL	11
Design Considerations For Consumer Products Utilizing High Voltage	25
Fault Sensing with an Artificial Reference Potential Provided by an Isolated Capacitance Effect	31
Product Design and the Reasonable Person Nature versus Nurture?	40
WSP Paper on EuP and REACH 2006 PSES Symposium. Nancy Sperry	43
Methods for Measuring the Mechanical Safety Vent Pressure of Lithium ion Battery Cells	56
Author Index	A1