

2024 IEEE International Symposium on Product Compliance Engineering (ISPCE 2024)

**Chicago, Illinois, USA
30 April - 2 May 2024**



**IEEE Catalog Number: CFP24PSE-POD
ISBN: 979-8-3503-9537-2**

**Copyright © 2024 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 republication permission, write to IEEE Copyrights Manager, IEEE Service Center, 445 Hoes Lane, Piscataway, NJ 08854. All rights reserved.

****** This is a print representation of what appears in the IEEE Digital Library. Some format issues inherent in the e-media version may also appear in this print version.***

IEEE Catalog Number:	CFP24PSE-POD
ISBN (Print-On-Demand):	979-8-3503-9537-2
ISBN (Online):	979-8-3503-9536-5
ISSN:	2474-0284

Additional Copies of This Publication Are Available From:

Curran Associates, Inc
57 Morehouse Lane
Red Hook, NY 12571 USA
Phone: (845) 758-0400
Fax: (845) 758-2633
E-mail: curran@proceedings.com
Web: www.proceedings.com

CURRAN ASSOCIATES INC.
proceedings
.com

TABLE OF CONTENTS

Developing the Dynamic Hazard-Based Safety Engineering (D-HBSE) by Introducing the Control-Oriented Model.....	1
<i>Shun Zhang, Haiwen Lu, Brent Taira, Daniel Barsotti</i>	
Circuit Spacings – Determining Product Safety Requirements.....	9
<i>Maryam Mahmoodi, P. E. Jim Bender</i>	
Basics to Food Sanitation Certification.....	14
<i>Brunno Covolan</i>	
Misquoting Jargon: The Speculation on Weird Alterations of Standard Texts and Why.....	17
<i>Lingfeng Chen, Avery Yearwood</i>	
Design, Risk, and Efficacy While Testing to Standards - Tradeoffs for Surge Protective Device.....	23
<i>Eric Marshall Schultz, Louis F. Bilancia, Thomas J. Bajzek</i>	
Determining Safety Critical Components - Breaking the Mystique!.....	29
<i>Noemi Martinez</i>	
Risk Management in Medical Devices: An Application of ISO 14971.....	32
<i>Kiki Yang</i>	
Risk Assessment: When Have You Reached Acceptable Risk?.....	35
<i>Anne C. Mathias, Wylie Wong, James C. Smolka, Joseph P. Mohorovic, Erick H. Knox</i>	

Author Index