## 4th IET Seminar on SIL Determination: Minimising the Risk of Your Systems 2008

**IET Seminar Digests 08/12455** 

London, UK 5 December 2008

ISBN: 978-1-61567-046-8

## Printed from e-media with permission by:

Curran Associates, Inc. 57 Morehouse Lane Red Hook, NY 12571 www.proceedings.com

Some format issues inherent in the e-media version may also appear in this print version.

Copyright© (2008) by the Institution of Engineering and Technology All rights reserved.

Printed by Curran Associates, Inc. (2009)

For permission requests, please contact the Institution of Engineering and Technology at the address below.

Institution of Engineering and Technology P. O. Box 96 Stevenage, Hertfordshire U.K. SG1 2SD

Phone: 01-441-438-767-328-328 Fax: 01-441-438-767-328-375

www.theiet.org

## TABLE OF CONTENTS

Reducing Risks ALARP and the Implications for SIL Determination	1
Design Essentials to Achieve a Specific SIL	40
SIL Determination and the Application of LOPA	90
The Approach to Legacy Systems Within the Non-nuclear Power Station Sector  Peter Wyman	148
SIL Determination: Pitfalls Found in LOPA Studies.  Colin Chambers	181
<b>Dependency Issues During SIL Determination</b> Bill Black	195
SIL Aspects in Relationship to Fire and Gas Systems	196
Author Index	