

## Papers, Talks and Journals (58)

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M. M. R. Chowdhury and F. Reichenbach and J. Rossebø , and T. Løkstad:  
On the Practical Approaches to Consolidate Safety and Security in Critical Infrastructure,  
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2013

Frank Reichenbach:  
Are effective Software Based Diagnostics the key for safety critical platforms?,  
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R. Aitken and G. Fey and Z. Kalbarczyk and F. Reichenbach and M. S. Reorda:  
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Proceedings of the Design, Automation and Test in Europe (DATE 2013), pp. 1385-1391, ISBN:  
9781467345682, Cape Town, South Africa, February, 2013

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Knoll:  
A Model-Driven Approach for Runtime Reliability Analysis,  
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Frank Reichenbach:

The impact of functional safety standards in the design and test of reliable and available  
integrated circuits - A View from Process/Factory Automation,  
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Frank Reichenbach:

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Invited Talk, ICES Workshop on Safety, Security, Robustness and Diagnosis: Status and  
Challenges, Stockholm, Sweden, January, 2012

J. Akerberg, F. Reichenbach, M. Gidlund, M. Bjorkman:

Measurements on an Industrial Wireless HART Network Supporting PROFIsafe: A Case Study,  
Proceedings of the 16th IEEE International Conference on Emerging Technologies and Factory  
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Frank Reichenbach:

Trends and Challenges of Safety Critical Systems in Automation Industry,  
Keynote, Workshop on Dependable and Secure Industrial and Embedded Systems, Västerås,  
Sweden, June, 2011

Frank Reichenbach:

IEC 61508 + Updates,  
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standards and applications, Västerås, Sweden, February, 2010

Johan Åkerberg, Frank Reichenbach, Mikael Gidlund, Mats Björkman:

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The 16th IEEE International Conference on Emerging Technology and Factory Automation  
(ETFAs 2011), ISBN: 978-4577-0016-3, Toulouse, France, September, 2010

Alexander Born, Frank Reichenbach:

Converting the Nonlinear Least Squares Problem for Localization in Wireless Sensor Networks, Proceedings of the 19th ICCCN 2010 (WiMAN Workshop 2010), ISBN: 978-1-4244-7115-7, Zurich, Switzerland, 2010

Tor Stålhane, Inah Omoronyia, Frank Reichenbach:

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2. GI/ ITG KuVS-Fachgespräch "Drahtlose Sensornetzwerke", Technischer Bericht, S. 6-9,  
Karlsruhe, Deutschland, 2004

## Thesis

### PhD Thesis:

Ressourcensparende Algorithmen zur exakten Lokalisierung in drahtlosen Sensornetzwerken  
(Resource Aware Algorithms for Exact Localization in Wireless Sensor Networks), University of  
Rostock, Institute MD, December 2007 [...more information](#) .

### Diploma Thesis:

Positionsbestimmung in drahtlosen Ad-Hoc Sensor-Netzwerken, University of Rostock, Institute  
MD, April 2004

### Bachelor Thesis:

Conference Information System: Bluewan, University of Rostock, Institute MD, July 2003

## Awards

First place winner of the "Ludwig-Bölkow-Nachwuchspreis M-V 2004", "Kostengünstige und  
präzise funkgestützte Lokalisierung", Verliehen vom Wirtschaftsministerium, den Industrie- und  
Handelskammern und den Technologiezentren des Landes Mecklenburg Vorpommern,  
Neustrelitz, 2004 [...more information](#) .