



## **Rainer Faller**

**Principal Partner, exida.com**

### **Fields of Competence**

Functional Safety of (Programmable) Electronic Systems  
Safety Applications of (Programmable) Electronic Systems

-Process Industry (furnaces, pipelines, reactors)

-Machinery (cable cars, stage machinery, production cells)

-Medical (**Dialysis**, Ventilators, Defibrillators, Infusion)

Safety of data communication

Qualitative and Quantitative failure analysis

Software Safety

Quality Management –ISO 9000

### **Experience Summary**

**Mr. Faller** has over twenty years of experience and extensive knowledge in the safety and reliability field. He is widely known as the world's top safety and reliability expert. After graduating from University, Mr. Faller began working for MAN Technology where he co-developed a driverless bus for public transportation. In 1985, he joined TÜV Bayern where he obtained the position of Referent (chief engineer) for safety of computer systems. Several years later, Mr. Faller became a Manager at IQSE, the Institute for Quality and Safety in Electronics and then Department Manager for "Industrial Electronics" at TÜV Product Service. Also during this time, Mr. Faller was named Chairman of the German DIN/DKE committee on "Computers in Safety-Related Applications". In 1998, he became Business Unit Manager of "Automation, Software, and Electronics". This position provided him with worldwide responsibility. Most recently, Mr. Faller is the co-founder and principal partner for exida.com, LLC. Mr. Faller is a member of many different international standardization committees. His signature appears on most of the world's equipment safety certifications. He is frequently sought after for speaking engagements and publications based on his unparalleled expertise.

### **Credentials**

Graduated from Technical University of Munich with a "Diplom Ingenieur Univ."

## **Professional Profile**

### **Key Assignments and Projects**

- Created Programmable Electronic Certification Scheme for TÜV to ensure safety of programmable automation systems.
- Developed and promoted the concept of third-party safety verification
- Co-developed a driverless bus for public transportation
- Widely known as the world's top safety and reliability expert

### **Teaching**

Developed and taught courses for exida.com, LLC in Europe.

### **Affiliations**

Chairman of the German DIN/DKE committee on "Computers in Safety-Related Applications"

### **Publications**

Automatisierungstechnische Praxis, "Sicherheitsnachweis für rechnergestützte Steuerungen", October 1988

Publications at different VDI Seminars, 1987 and 1993

Publication BIRA "Safety related fault tolerant computer systems", 1990

Publication MILCOMP, "European Safety Testing, The Role of Static Analysis", 1992

Publication IEE Conference, "TÜV Type Certification of Programmable Electronic Systems", December 1993

Publication ACOS Workshop - Advisory Committee on Safety of IEC, "IEC 1508 - View of a European Test and Certification Body", Chicago, August 1995

"Probabilistic Instrumented Protective Function Calculation Methodology", Johannes Hammerschall, Rainer Faller, December 1995 part of the SHELL MF Report "Instrumented Protective Functions - Calculation Methodology", Luc Korteweg

Publication Dependable Computing for Critical Applications – DCCA-5, 1998

"Proposal for an Interim Solution for the use of non-safety-related intelligent field instruments in Safety Applications in the process industry", 1998



## Professional Profile

"Sicherheitsrelevante Datenübertragung", Uwe Jesgarzewski, Rainer Faller, January

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