



**Prof. Dr. Oliver Straeter**

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Prof. Oliver Sträter, born 2<sup>nd</sup> Maii 1964, studied engineering psychology and worked for GRS (Gesellschaft für Anlagen- und Reaktorsicherheit), part of the German Nuclear Regulatory Body, from 1992 till 2002. At GRS he developed methods for incident investigation and reliability assessment regarding the human impact on the safety of nuclear installations. During this work he conducted his Ph.D. on the evaluation of operational experience regarding human reliability together with the Institute of Ergonomics of the University of Technology Munich.

1999 he moved to the Institute of Ergonomics of the University of Technology Munich as Assistance Professor and extended the research into the fields of human factors in automobile, aviation and occupational safety. Main topics of research and development were human automation issues, human reliability, errors of commission, cognitive errors, organizational safety and incident evaluations. He headed the System Ergonomics Group of the Institute and supervised several Ph.D. Studies in that field.

From 2001 he moved to EUROCONTROL, the European Organization for the Safety of Air Navigation, where he developed methods and tools for dealing with Human automation issues in European Air Traffic Management within the SHAPE project (Solutions for Human Automation Partnership in European ATM).

Since 2004 he was responsible for the long term safety strategy of Air Traffic Management and headed the Safety Regulation workpackage in the definition phase of the Single European Sky, SESAR.

2003 he became member of the German Nuclear Safety Commission. 2005 he published the book on the relation of cognition and safety as a n integrated approach to systems design and performance assessment (Ashgate). In 2006 he qualified as Professor for *Ergonomics, Human Engineering and Organizational Psychology* (Habilitation).

Since 2008 he took over the Professorship for Human Factors and organizational Psychology of the University Kassel ([www.designing-better-work.de](http://www.designing-better-work.de)).

## **Working Together**

In the course of his work he advised a number of institutions on Human Reliability, Safety Management and Safety Analysis and Assessment like:

- European Aviation Safety Agency (EASA)
- EUROCONTROL
- Gesellschaft für Anlagen und Reaktorsicherheit (GRS)
- Federal Minister for environmental affairs in Germany (BMU)
- National Aeronautics and Space Administration (NASA)
- United States Nuclear Regulatory Commission (US-NRC)
- International Atomic Energy Agency (IAEA)
- OECD Halden Reactor Project (Norway)
- SIEMENS
- Swiss Nuclear Regulatory Body (HSK)
- Centre for Nuclear Safety (CENS)

### **German Working Groups**

- Since 2003 Member of the German Nuclear Safety Commission (RSK - Reaktor Sicherheitskommission) for Human Factor and Organizational Issues.
- From 2000 to 2001 Member of the „Human Factor“ Working Group of the ILK (Internationalen Länderkommission) for Reactor Safety.
- Since 2000 to 2003 DIN/ISO on mental workload (ISO 10075).
- Since 1996 Member of the German Human Factors Society (Gesellschaft für Arbeitswissenschaften - GfA).
- Since 1991 Member of the Working Group on Human Reliability of the German Association of Engineers (VDI - Verein Deutscher Ingenieure)

### **International Working Groups**

- From 2011 member of the EASA Safety Assessment Task Force for the development of an Implementing Rule for the Safety of Air Traffic Management in the Single European Sky
- From 1993 to 1999 Advisory Group on Human Error for the OECD Halden Reactor Project in Norway (Experimental studies on Human error, Evaluation of Human Reliability Assessment methods).
- Since 2004 in the EPSRC Risk Design Network ([www.riskdesignnetwork.org](http://www.riskdesignnetwork.org))
- Since 2003 to 2008 member of the EAAP (European Association for Aviation Psychology).
- Since 1994 to 2002 member of the OECD NEA Working Group Risk / Human Reliability Assessment (Harmonization of human error assessment throughout the OECD member states, methods on errors of commission, strengthening the link between human error assessment and human error analysis).