



LUND UNIVERSITY
School of Aviation

Learning Laboratories in Human Factors and System Safety

Learning Laboratories 2007-2008

Learning Laboratory for Human Factors Investigators
September 3 - 7, 2007 Instructor: Prof. Sidney Dekker

This lab expands your knowledge about different ways of analyzing past behavior. It helps you reconstruct why what people did made sense to them at the time and teaches you ways to avoid the hindsight bias and other traps inherent in understanding past performance. The lab will help you avoid counterfactual and judgmental language and folk modeling. You will learn how to recognize and describe phenomena such as cognitive fixation, plan continuation, automation surprises, procedural drift and system resilience, and write useful recommendations for progress on safety.

Learning Laboratory for Progress on Safety Thinking
January 7 - 11, 2008 Instructor: Prof. John Stoop

Thinking in safety and error has focused much on reliability, but an increased awareness of system thinking in many sciences shows that we need to enhance systems' adaptive capacity if we want them to become truly resilient. This learning lab will point you beyond current sequential and epidemiological accident models and invite you along alternative routes for understanding risk and finding levers for progress on safety.

Learning Laboratory on Mistake, Accountability, and Learning from Failure
March 31 - April 4, 2008 Instructor: Prof. Sidney Dekker

In most safety-critical activities, societies and organizations demand that practitioners are held accountable for their mistakes. But what does accountability mean, and how can we prevent it from clashing with drawing lessons from mistakes and failures? By going through ideas on accountability, deviance, punishment and ethics, this lab will help you engage rich case material to learn how to balance pressures for learning with holding people responsible, and build the basis for a just culture.

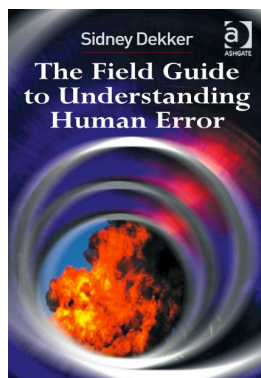
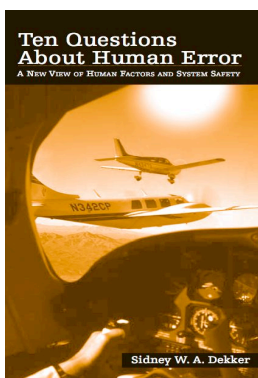
Our popular Learning Laboratories in Human Factors and System Safety aim at practitioners and professionals who want to expand their knowledge and practical skills for taking on the safety challenges of the 21st Century. Our understanding of accidents, risk and safety is changing. We no longer see human error as cause, but as a symptom. We recognize the exciting possibilities of systems thinking for our understanding of accidents, and are shifting from reliability to resilience and enhancing adaptive capacity.

Our Learning Labs actively engage you in the latest thinking in human factors, accident modeling, resilience engineering and accountability. Your instructors, Professors Sidney Dekker and John Stoop, are opinion leaders in their fields and themselves authors of some of the works behind the paradigm shift in human factors and system safety.

Lund University (established 1666) is highly regarded internationally. Its School of Aviation is a burgeoning center of education and research, attracting international practitioners from a host of domains, ranging from healthcare, aviation and other transportation modes, to process industry.

Each Learning Lab is conducted during an intensive week at Lund University. You and your co-participants develop new knowledge and skills through lectures, case material, exercises and group discussions. Lab Language is English. You will receive a *Testimonium* upon completion.

As active participant you play a role in what you get out of each learning lab. You will be in the company of people with similar experiences and concerns, enriching your learning experience. You need not take all Learning Labs, nor in the order offered. You can assemble a package that fits your professional life.



We look forward to your application!

Please write to us at masters@ffhs.lu.se where you let us know:

1. Which learning laboratory you want to participate in. Please tell us at least four weeks in advance of the lab's start date;
2. A full mailing address;
3. Why you want to participate and what you hope to get out of the learning lab;
4. Where we will send the invoice. Swedish law forbids students from paying for their own education, so the invoice address needs to be from your employer or another organization.

Participation in a learning lab costs €1950,- each, excluding literature, travel or accommodation.

"My own impression is that there is a lot of talk about safety (and a number of programs out there teaching this stuff) but I haven't encountered a program so comprehensive and effective. The Lund approach is unique and important, since most of us have such deep-seated opinions and values around human error and failure. This is not just about learning some new 'information'...it requires a shift in one's thinking."
Karen Cardiff, Department of Health Care and Epidemiology, University of BC, Vancouver, Canada

More information: www.lusa.lu.se under "Education" or masters@ffhs.lu.se, tel. +46-435-445434