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## Academic appointments

2019-07 Head of Department and Accountable Manager, Lund University School of Aviation  
2014- Senior Lecturer, Lund University, Lund, Sweden  
2014-2016 Director, Lund University Centre for Societal Resilience  
2013-2014 Assistant Professor, Lund University, Lund, Sweden  
2013-2015 Affiliated researcher, Pontificia Universidade Católica do Rio Grande do Sul (PUCRS), Porto Alegre, Brazil  
2013 Visiting researcher, Griffith University, Brisbane, Australia  
2008-2012 PhD Student, Lund University, Lund, Sweden

## Non-academic appointments

2013- Owner and CEO at JB Safety Education and Consulting AB (part time)  
2010-2012 Freelance lecturer and course developer  
2008 Trainee, ÅF (part time)  
2005 Trainee at the fire rescue service, Strängnäs

## Higher education

2016 Reader in Risk and Safety, Lund University  
2012 Doctor of Philosophy in Risk and Safety, Lund University, Lund, Sweden  
2007 Master of Science in Risk Management Engineering, Lund University, Lund, Sweden  
2007 Bachelor of Science in Fire Protection Engineering, Lund University, Lund, Sweden

## Course responsibilities

The New View of Human Factors and Systems Safety; 7,5 ECTS  
The sociology of accidents, 7,5 ECTS  
Accountability and learning from accidents, 7,5 ECTS  
Methods in Safety Science, 15 ECTS  
MSc thesis in Human Factors and Systems Safety, 15 ECTS

## Commissioned education

The Safety Day

A one-day education day which we have developed for the airline Transavia. We have during 2018 conducted a baseline analysis, developed the course content, trained the company's own facilitators and we are during 2018-2020 supporting the implementation process in which 3000 staff members are going through the training.

## Research output

**Visualizing healthcare system variability and resilience: a longitudinal study of patient movements following discharge from a Swedish psychiatric clinic**

Jakob Svensson & Johan Bergström, 2020 Aug 25, In: BMC Health Services Research. 20, 787.

**Medical teamwork and the evolution of safety science: A critical review**

Christopher Neuhaus, Dag-Erik Lutnaes & Johan Bergström, 2020 Feb, In: Cognition, Technology and Work. 22, 1, p. 13-27 15 p.

### **Expertise and Resilience**

Jop Havinga, Johan Bergström, Sidney Dekker & Andrew Rae, 2020, *The Oxford Handbook of Expertise*. Ward, P., Schraagen, J. M., Gore, J. & Roth, E. (eds.). Oxford: Oxford University Press

### **Patterns of performance variability: a meso-level understanding of psychiatric discharge**

Jakob Svensson & Johan Bergström, 2019 Jun 20.

### **Tracing livelihood trajectories: Patterns of livelihood adaptations in rural communities in eastern Nepal**

Lama Phudoma, Per Becker & Johan Bergström, 2019 Mar, In: *The Geographical Journal of Nepal*. 12, p. 57-80

### **A socio-technical analysis of functional properties in a joint cognitive system: a case study in an aircraft cockpit**

Arie Adriansen, Riccardo Patriarca, Anthony John Smoker & Johan Bergström, 2019, In: *Ergonomics*. 19 p.

### **The Discursive Effects of Safety Science**

Johan Bergström, 2019, *Safety Science Research: Evolution, Challenges and New Directions*. Le Coze, J-C. (ed.). Boca Raton: CRC Press

### **What's in a name? On the nuance of language in patient safety**

Guttorm Brattek, Johan Bergström & Christopher Neuhaus, 2019, In: *British Journal of Anaesthesia*. 123, 5, p. 534-536

### **An archaeology of societal resilience**

Johan Bergström, 2018 Dec, In: *Safety Science*. 110, p. 31-38

### **Resilience Engineering: current status of the research and future challenges**

Riccardo Patriarca, Johan Bergström, Giulio Di Gravio & Francesco Constantino, 2018 Feb, In: *Safety Science*. 102, p. 79-100

### **The doctor is always available: Mobile Phones as Clumsy Technology**

Johan Bergström, 2018, *Working and Organizing in the Digital Age*. Schaefer, S., Andersson, M., Bjarnason, E. & Hansson, K. (eds.). Lund: The Pufendorf Institute for Advanced Studies, Lund University, Sweden. , p. 19-26

### **Modelling complexity in everyday operations: Functional resonance in maritime mooring at quay**

Riccardo Patriarca, Johan Bergström & Giulio Di Gravo, 2017 Dec 10, In: *Cognition, Technology and Work*. 19, 4

### **On safety ontology: A cross-section analysis of incident investigations in a public healthcare system**

Jonas Wrigstad, Johan Bergström & Pelle Gustafson, 2017 Oct 30, In: *Safety in Health*. 3, 13

### **Defining the Functional Resonance Analysis space: combining Abstraction Hierarchy and FRAM**

Riccardo Patriarca, Johan Bergström & Giulio Di Gravo, 2017 Sep, In: *Reliability Engineering and System Safety*. 165, p. 34-46

### **Scrutinizing the relationship between adaptation and resilience: Longitudinal comparative case studies across shocks in two Nepalese villages**

Lama Phudoma, Per Becker & Johan Bergström, 2017 Aug 1, In: *International Journal of Disaster Risk Reduction*. 23, p. 193-203 11 p.

### **One event, three investigations: The reproduction of a safety norm**

Jonas Wrigstad, Johan Bergström & Pelle Gustafson, 2017 Mar, In: *Safety Science*. 96, p. 75-83 9 p.

### **Calibrated resilience landscapes of composite protection: Theoretical grounding of an empirical approach**

T. O. Grøtan & J. Bergström, 2017, *Risk, Reliability and Safety: Innovating Theory and Practice - Proceedings of the 26th European Safety and Reliability Conference, ESREL 2016*. CRC Press/Balkema, p. 348 1 p.

### **A Complexity Framework for Studying Disaster Response Management**

Johan Bergström, Christian Uhr & Tove Frykmer, 2016 Sep 1, In: Journal of Contingencies and Crisis Management. 24, 3, p. 124-135 12 p.

### **Vem bär ansvaret för samhällets katastrofriskreducering?**

Johan Bergström, 2016, *Katastrofriskreducering: Perspektiv, praktik, potential*. Becker, P. & Ullberg-Baez, S. (eds.). Studentlitteratur AB, p. 81-104 38865-01

### **Incident investigations by the regulatory authority of Swedish healthcare - a 20-year perspective**

Jonas Wrigstad, Johan Bergström & Pelle Gustafson, 2015, In: Journal of Hospital Administration. 4, 6, p. 68-76

### **On the rationale of resilience in the domain of safety: A literature review**

Johan Bergström, Roel van-Winsen & Eder Henriqson, 2015, In: Reliability Engineering & System Safety. 141, p. 131-141

### **Organised behaviour in the Swedish fire and rescue service - a case study**

Tove Frykmer, Christian Uhr & Johan Bergström, 2015.

### **Bridging the macro and the micro by considering the meso: reflections on the fractal nature of resilience**

Johan Bergström & Sidney Dekker, 2014, In: Ecology & Society. 19, 4, p. 22

### **Mind the gap between recommendation and implementation-principles and lessons in the aftermath of incident investigations: a semi-quantitative and qualitative study of factors leading to the successful implementation of recommendations.**

Jonas Wrigstad, Johan Bergström & Pelle Gustafson, 2014, In: BMJ Open. 4, 5, p. e005326

### **Some Thoughts on How to Align the Theoretical Understanding of Team Performance with Resilience Engineering Theory**

Johan Bergström, Eder Henriqson & Nicklas Dahlström, 2014, *Resilience Engineering in Practice: Becoming Resilient*. Nemeth, C. P. & Hollnagel, E. (eds.). Ashgate, Vol. 2. 12 p. (Ashgate Studies in Resilience Engineering).

### **Complicated, complex and compliant: Best practice in obstetrics**

Sidney Dekker, Johan Bergström, Isis Amer-Wählin & Paul Cilliers, 2013, In: Cognition, Technology & Work. 15, 2, p. 189-195

### **User Image Mismatch in Anesthesia Alarms: A Cognitive Systems Analysis**

Karen Raymer & Johan Bergström, 2013, In: Ergonomics. 56, 10, p. 1525-1534

### **Anaesthesia monitor alarms: a theory-driven approach**

Karen E. Raymer, Johan Bergström & James M. Nyce, 2012, In: Ergonomics. 55, 12, p. 1487-1501

### **Escalation: Explorative studies of high-risk situations from the theoretical perspectives of complexity and joint cognitive systems**

Johan Bergström, 2012, Lund University (Media-Tryck). 102 p.

### **How to assess team performance in terms of control: A protocol based on cognitive systems engineering**

Hanna Lindbom, Johan Bergström & Eder Henriqson, 2012, In: Cognition, Technology & Work. 13, 4, p. 337-353

### **The Social Process of Escalation: A Promising Focus for Crisis Management Research**

Johan Bergström, Sidney Dekker, James Nyce & Isis Amer-Wählin, 2012, In: BMC Health Services Research. 12, 161

### **What counts as a reasonable extent? - a systems approach for understanding fire safety in Sweden**

Miranda Larsson, Erik Grunnesjö & Johan Bergström, 2012, In: Journal of Risk Research. 15, 5, p. 517-532

### **From Crew Resource Management to Operational Resilience**

Johan Bergström, Eder Henriqson & Nicklas Dahlström, 2011, *Proceedings of the fourth Resilience engineering symposium*. Hollnagel, E., Rigaud, E. & Besnard, D. (eds.). Presses des Mines, p. 36-42 7 p.

### **Team Coordination in Escalating Situations: An Empirical Study Using Mid-Fidelity Simulation**

Johan Bergström, Nicklas Dahlström, Eder Henriqson & Sidney Dekker, 2010, In: *Journal of Contingencies and Crisis Management*. 18, 4, p. 220-230

### **Training organizational resilience in escalating situations**

Johan Bergström, Nicklas Dahlström, Sidney Dekker & Kurt Petersen, 2010, *Resilience Engineering in Practice - A Guidebook*. Hollnagel, E., Pariès, J., Woods, D. & Wreathall, J. (eds.). Ashgate, p. 45-56

### **Rule- and Role-Retreat: An Empirical Study of Procedures and Resilience**

Johan Bergström, Nicklas Dahlström, Roel van Winsen, Margareta Lützhöft, Sidney Dekker & James Nyce, 2009, In: *Journal of Maritime Research*. 6, 1, p. 75-90

### **Utveckling av samarbetsförmåga**

Karin Westerberg, Helena Svensson, Richard Kjellström & Johan Bergström, 2009, *Proceedings 2:a Utvecklingskonferensen för Sveriges ingenjörsutbildningar*.

### **Crew Resource Management, Threat and Error Management and Assessment of CRM skills – current situation and development of knowledge, methods and practice**

Nicklas Dahlström, Jimisola Laursen & Johan Bergström, 2008, Swedish CAA.

### **Learning from failures in emergency response: a series of empirical studies**

Sidney Dekker, Magnus Jonsén, Johan Bergström & Nicklas Dahlström, 2008, In: *Journal of Emergency Management*. 6, 5, p. 64-70

## **Research projects**

### **Decision-making during obstetric emergencies**

Gabriel Raoust, Stefan Hansson, Johan Bergström & Isis Amer-Wåhlin

### **LU Robotics Laboratory**

Fredrik Bagge Carlson, Isolde Dressler, Rolf Johansson, Mahdi Ghazaei Ardakani, Martin Karlsson, Magnus Linderöth, Björn Olofsson, Tomas Olsson, Anders Robertsson, Olof Sörnmo, Andreas Stolt, Sven Robertz, Mathias Haage, Jacek Malec, Klas Nilsson, Pierre Nugues, Maj Stenmark, Elin Anna Topp, Volker Krueger, Hampus Åström, Marcus Greiff, Maike Klöckner, Matthias Mayr, Zhiyong Sun, Julian Salt Ducaju, Mika Nishimura, Jonas Wisbrant, Leif Andersson, Alexander Dürr, Matthias Mayr, Hampus Åström, Pierre Nugues, Marcus Klang, Maike Klöckner, Mårten Lager, Luigi Nardi, Faseeh Ahmad, Johan Oxenstierna, Momina Rizwan, Christoph Reichenbach, Johan Bergström, Nicolo Dell'Unto, Lotta Maunsbach, Kalle Åström, Cristian Sminchisescu, Gabrielle Flood, Anders Blomdell, Kristian Soltesz, Måns Magnusson & Per-Anders Fransson

1993/01/01 → 2029/12/31

### **UAV@LUND: The future of drones: technologies, applications, risks and ethics**

Johan Bergström, Nicolo Dell'Unto, Lars Eklundh, Rolf Johansson, Johan Revstedt & Jonas Lindemann

2018/04/01 → 2021/03/31

### **Work and Organization in the Digital Age**

Stephan Schaefer, Magnus Andersson, Elizabeth Bjarnason, Kristofer Hansson, Sverker Sikström, Calle Rosengren, Johan Bergström, Carl-Henric Nilsson, Lars-Erik Nilsson & Carola Aili

2016/09/15 → 2017/05/18

## Selection of lectures given as invited speaker since 2015

|             |   |
|-------------|---|
| 2018-06-18  | What do we mean by 'working safely'?  |
| 2018-06-04  | What is safety?, CSMART, Almere, the NL   |
| 2018-05-30  | Resilience: analytical traps and opportunities  |
| 2018-04-26  | How does technology view us? SAMTIT, Gothenburg   |
| 2018-04-10  | Resilience in aviation, Flight operations forum, Oslo, Norway   |
| 2018-03-20  | A safety science theory-perspective on health care hygiene, Health care hygiene conference, Västerås  |
| 2018-03-16  | Organisational resilience in times of crisis, 4CS Breakfast, Copenhagen   |
| 2018-03-15  | Safety Culture: A critique, The Safety Culture Network, Malmö   |
| 2018-03-13  | Accident investigation methods and analysis, Patient safety seminar, Oxford, UK   |
| 2017-12-08  | The healthcare staff's contribution to patient safety, Patient Safety-course, KI, Stockholm, Sweden   |
| 2017-12-07  | Resilience: A recent buzzword of Safety Science, SAS CRM-instructors, Copenhagen, Denmark   |
| 2017-12-01  | Don't be scared: be prepared, The Swedish Fire Protection Association and the Southern Sweden Association for Incident Commanders, Malmö, Sweden  |
| 2017-10-26  | Patient safety: trends and traps. Norwegian anesthesiologists' association, Oslo, Norway  |
| 2017-09-13  | Analysing incidents and accidents. Swedish Prison and Probation Service, Lund, Sweden   |
| 2017-09-08  | Simulation and CRM: Trends and traps. Norwegian surgical nurses annual meeting, Trondheim, Norway   |
| 2017-04-04  | What makes landing hard? Flight Operations Forum, Oslo, Norway  |
| 2017-03-07  | Risks to Social and Human Systems, the symposium Disasters Evermore at the Lund University 350 year jubilee ( <a href="http://lu350.blogg.lu.se/disasters-evermore/">http://lu350.blogg.lu.se/disasters-evermore/</a> ) |
| Spring 2017 | Participating in Lund University's university tour with the lecture Was It Technical or Human Error?  |
| 2016-11-29  | Resilience and Safety, Institut Cerda, Madrid, Spain  |
| 2016-11-16  | Patient Safety, BEST, Bergen, Norway  |
| 2016-10-06  | Medical technology, safety and risk, Medical technology days, Örebro, Sweden  |
| 2016-06-02  | Societal resilience as a discursive object, Delft Technical University, The Netherlands   |
| 2016-05-25  | Empowerment, responsabilisation or abandonment: where are our safety strategies heading? Safety Seminar, Entry Point North, Malmö, Sweden   |
| 2016-05-12  | Don't be scared; be prepared: Reflections on a changed safety discussion, EPOK 2016, Arlanda  |
| 2016-04-01  | Simulering och träning för att skapa ett resilient sjukvårdssystem, National simulation conference, Oslo, Norway  |
| 2016-03-18  | Is clinical training an instrument for following up adverse events? KlinSim, Helsingborg, Sweden  |
| 2016-02-25  | Does a systematic quality improvement effort make us safer? Lean-days, Bergen, Norway   |
| 2016-02-16  | The resilience discourse, The Swedish Civil Contingencies Agency (MSB), Stockholm   |
| 2015-11-09  | Risk from a systems perspective, NITO Network meeting, Oslo, Norway   |
| 2015-11-05  | An innovative perspective on Risk, Seminar on Risk and Innovation, Stockholm, Sweden  |
| 2015-11-04  | Optimism and pessimism in Safety: can CRM become an ethical problem?, CRM Seminar, Swedish Human Factors Network, Linköping, Sweden   |
| 2015-10-16  | Societal resilience as a discursive object, Lecture at UNISONS, Porto Alegre, Brazil  |
| 2015-06-11  | Complexity and training, Keynote at healthcare training seminar, Lillehammer, Norway  |
| 2015-05-27  | Optimism and pessimism in system safety, Keynote at the Australian System Safety Conference, Brisbane, Australia  |
| 2015-05-20  | Safety I and Safety II, Lecture Operations Seminar, LFV, Gothenburg, Sweden   |
| 2015-04-15  | Human factors, lessons learned, Keynote at the Norwegian Air Operations Forum, Oslo, Norway   |
| 2015-03-12  | Patient safety, quality and risk management, Guest lecture at academic course in healthcare quality and safety at the university of Bergen, Norway  |
| 2015-02-03  | Accident theory from a historical perspective, Swedish national forum for accident investigators, Södertälje, Sweden  |

## Media appearances

Debate article in Swedish morning news journal DN on the topic: Hindsight undermines our ability to learn from terror, 2018-01-01

Interview in Swedish Radio P4 2017-03-14 on why accidents happen:  
<http://sverigesradio.se/sida/artikel.aspx?programid=101&artikel=6651363>

During Wednesday 25 March and Thursday 26 March 2015 I made several appearances in media (radio, TV and paper) to discuss the recent Germanwings aviation tragedy. All the media appearances happened before the French prosecutor had

confirmed the conclusion that the first officer of the flight was alone in the cockpit when the plane descended and eventually crashed in the Alps. In 2016 I also participated in the Swedish TV4 live coverage of the news that an Egypt Air flight had crashed on its way from Paris to Egypt. Appearances include:  
Radio interview from P1 Morgon, Sveriges Radio P1, 25 March  
Radio interview from Vaken, Sveriges Radio P4 Malmöhus, 25 March  
Radio interview from P4 Extra, Sveriges Radio P4, 25 March  
TV interview from Aktuellt, SVT, 25 March  
Radio interview from Ekot, Sveriges Radio P1, 26 March  
News paper article from Skånska Dagbladet, 26 March

## **Additional academic merits**

Member of the examination committee for the PhD thesis: Rignér, J. (2020). Adapting to increased automation in the aviation industry through performance measurement and training: Barriers and potential, KTH Royal Institute of Technology

Member of the examination committee for the licentiate thesis:: Bahaei, S. (2020). A Framework for Risk Assessment in Augmented Reality-equipped Socio-technical Systems, Mälardalen University

Member of the examination committee for the PhD thesis: Rankin, A. (2017). Making Sense of Adaptation: Resilience in High Risk Work, Linköping University.

Member of the Scientific Board of the Swedish Society for Risk Sciences

Member of the editorial board of the scientific journal Aviation in Focus.

Guest editor for the special issue Human Resilience in Interconnected Social and Health Systems in Ecology and Society.

Reviewed book and paper manuscripts for:

Cambridge University Press  
Organization  
Journal of Emergency Management  
Safety Science  
Cognition, Technology and Work  
Jàmbá: Journal of Disaster Risk Studies published by the African Centre for Disaster Studies  
Journal of Contingencies and Crisis Management  
Journal of Risk Research  
Ecology and Society  
Automation in Construction  
Science and Technology  
Knowledge Management of Aquatic Ecosystems  
Ergonomics

## **Additional online resources**

For teaching and outreach I have a YouTube channel at the following address:  
[https://www.youtube.com/channel/UCdNsT8TniMZYCCswvcYNg\\_g](https://www.youtube.com/channel/UCdNsT8TniMZYCCswvcYNg_g)

## **Additional information**

Holder of privat pilot license (PPL)  
Full time parental leave between October 2018 and May 2019