

Johan Bergström
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Academic appointments

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

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

Research output

An archaeology of societal resilience

Johan Bergström 2017 Oct 10 In : Safety Science.

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

Patriarca, R., Johan Bergström & Di Gravo, G. 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.

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

Patriarca, R., Johan Bergström & Di Gravo, G. 2017 Jul 8 In : Cognition, Technology and Work.

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

Grøtan, T. O. & 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, van-Winsen, R. & Henriqson, E. 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 & Dekker, S. 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

Complicated, complex and compliant: Best practice in obstetrics

Dekker, S., Johan Bergström, Amer-Wählin, I. & Cilliers, P. 2013 In : *Cognition, Technology & Work*. 15, 2, p. 189-195

Some thoughts on how to align the theoretical understanding of team performance with Resilience Engineering theory

Johan Bergström, Henriqson, E. & Dahlström, N. 2013 *Resilience Engineering in Practice: The road to resilience*. Nemeth, C. & Hollnagel, E. (eds.). Ashgate

User Image Mismatch in Anesthesia Alarms: A Cognitive Systems Analysis

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

Anaesthesia monitor alarms: a theory-driven approach

Raymer, K. E., Johan Bergström & Nyce, J. M. 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 & Henriqson, E. 2012 In : *Cognition, Technology & Work*. 13, 4, p. 337-353

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

Johan Bergström, Dekker, S., Nyce, J. & Amer-Wählin, I. 2012 In : *BMC Health Services Research*. 12, 161

What counts as a reasonable extent? - a systems approach for understanding fire safety in Sweden
Larsson, M., Grunnesjö, E. & Johan Bergström 2012 In : Journal of Risk Research. 15, 5, p. 517-532

From Crew Resource Management to Operational Resilience

Johan Bergström, Henriqson, E. & Dahlström, N. 2011 [*Host publication title missing*]. Hollnagel, E., Rigaud, E. & Besnard, D. (eds.). Collection Sciences Économiques, Presses des Mines, p. 36-42 7 p.

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

Johan Bergström, Dahlström, N., Henriqson, E. & Dekker, S. 2010 In : Journal of Contingencies and Crisis Management. 18, 4, p. 220-230

Training organizational resilience in escalating situations

Johan Bergström, Dahlström, N., Dekker, S. & Petersen, K. 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, Dahlström, N., van Winsen, R., Lützhöft, M., Dekker, S. & Nyce, J. 2009 In : Journal of Maritime Research. 6, 1, p. 75-90

Utveckling av samarbetsförmåga

Westerberg, K., Helena Svensson, Kjellström, R. & 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

Dahlström, N., Laursen, J. & Johan Bergström 2008 Swedish CAA.

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

Dekker, S., Jonsén, M., Johan Bergström & Dahlström, N. 2008 In : Journal of Emergency Management. 6, 5, p. 64-70

Awards

Selection of lectures given as invited speaker since 2014

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 (<http://lu350.blogg.lu.se/disasters-evermore/>)

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- Does a systematic quality improvement effort make us safer? Lean-days, Bergen, Norway
25
- 2016-02- The resilience discourse, The Swedish Civil Contingencies Agency (MSB), Stockholm
16
- 2015-11- Risk from a systems perspective, NITO Network meeting, Oslo, Norway
09
- 2015-11- An innovative perspective on Risk, Seminar on Risk and Innovation, Stockholm, Sweden
05
- 2015-11- Optimism and pessimism in Safety: can CRM become an ethical problem?, CRM Seminar, Swedish Human
04 Factors Network, Linköping, Sweden
- 2015-10- Societal resilience as a discursive object, Lecture at UNISONS, Porto Alegre, Brazil
16
- 2015-06- Complexity and training, Keynote at healthcare training seminar, Lillehammer, Norway
11
- 2015-05- Optimism and pessimism in system safety, Keynote at the Australian System Safety Conference, Brisbane,
27 Australia
- 2015-05- Safety I and Safety II, Lecture Operations Seminar, LFFV, Gothenburg, Sweden
20
- 2015-04- Human factors, lessons learned, Keynote at the Norwegian Air Operations Forum, Oslo, Norway
15
- 2015-03- Patient safety, quality and risk management, Guest lecture at academic course in healthcare quality and safety
12 at the university of Bergen, Norway
- 2015-02- Accident theory from a historical perspective, Swedish national forum for accident investigators, Södertälje,
03 Sweden
- 2014-11- Is the language we use influencing the efforts we make? Reflections on the notion of resilience, Keynote at the
29 international forum for natural disasters, Stockholm, Sweden
- 2014-10- Societal resilience as a discursive object, Keynote at Driver SP3 research workshop, Stuttgart, Germany
22
- 2014-09- Patient safety from a systems perspective, Keynote lecture at the Norwegian patient safety conference 2014
08
- 2014-05- Is it all a neoliberal plot?, Seminar organised by SSEESS and MSB at the Royal Swedish Academy of
12 Sciences, Stockholm, Sweden

Media appearances

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

Part 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 we have recorded the following videos for our own YouTube channel:

Three Analytical Traps in Accident Investigation: <https://www.youtube.com/watch?v=TqaFT-0cY7U>

Two Views on Human Error: <https://www.youtube.com/watch?v=rHeukoWWtQ8>