

# The Legacy of Jens Rasmussen

ODAM 2014 Adjunct Symposium

August 20<sup>th</sup> 13:00 – August 21<sup>st</sup> 13:15 2014

DGI Byen, Copenhagen and Risø, Denmark

The work of Jens Rasmussen over the course of the last half century represents some of the most influential contributions to the field of safety science, human error and accident research. His work has influenced researchers and practitioners in a number of fields including psychology, engineering, sociology and human factors (Le Coze, ref.) In more recent years, a large amount of research has been inspired by theoretical and practical aspects of Rasmussen's work including his models of the boundaries of safe operation and performance and methods such as Cognitive Work Analysis and graphical support for accident investigation such as AcciMaps. To take only one instance, his work on the Risk Management Framework has been cited over 1000 times since its original publication in 1997. In 2013, Jens Rasmussen was elected a member of the US National Academy of Engineering

In this adjunct symposium to the ODAM 2014 conference ([www.odam2014.org](http://www.odam2014.org)) we want to celebrate and reflect on the legacy of Jens Rasmussen's work. A key aim of the symposium is to generate discussion and debate in the light of Rasmussen's work about the new directions and the future of safety science. A special issue in the journal *Applied Ergonomics* will be devoted to papers selected from the Symposium.

Day 1 of the symposium will take place at the venue of the ODAM conference at DGI-Byen conference center located centrally in Copenhagen a few meters from the main railway station. Day 2 will be held at DTU Risø (previously Risø National Laboratory), the former nuclear test reactor facility where Jens for many years headed the Electronics Dept. and where he began his work on human-machine interaction. Buses will take participants between the venues and to Copenhagen airport.

Registration: **150 Euros** (includes refreshments , lunch and transport). After Aug. 5<sup>th</sup>: **250 Euros**.

Symposium Dinner 20<sup>th</sup> August: 65 Euros

Registration for the Legacy Symposium can be made independent of or in combination with registration for the ODAM/NES conference.

Details, registration and hotel booking: <http://www.odam2014.org>  
<http://www.odam2014.org/Registration>

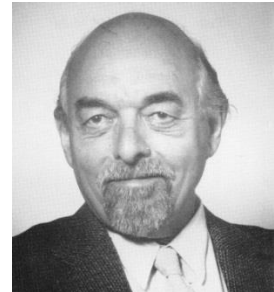
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*Programme Committee:* Patrick Waterson (Chair), Jean-Christophe Le Coze, John Paulin Hansen, Henning Boje Andersen

*Local organising committee:* Henning Boje Andersen (Chair), John Paulin Hansen, Ole Broberg, Tina Weller

*Reference:* Le Coze, JC. 2014. Reflecting on Jens Rasmussen's legacy. A strong program for a hard problem. *Safety Science*. DOI: 10.1016/j.ssci.2014.03.015

# The Legacy of Jens Rasmussen Adjunct ODAM 2014 Symposium Programme



## Day 1: Aug 20th

### DGI Byen Copenhagen

- 13.00 - 13.15      Welcome and Introduction to the Symposium  
*Patrick Waterson (Loughborough University, UK)*  
*Henning Boje Andersen (Technical University of Denmark, Denmark)*  
*Jean-Christophe Le Coze (INERIS, France)*
- 13.15- 14.00      **Keynote**  
Cognitive systems engineering: Shaping understanding with constraints  
*Penelope Sanderson (University of Queensland, Australia)*
- 14.00- 14.30      Putting Rasmussen's Legacy into Practice: Developing and implementing an  
Accimap inspired incident reporting and learning system  
*Paul M. Salmon, Natassia Goode, Caroline Finch, Michael Lenne & Clare Dallat*  
*(University of the Sunshine Coast, Australia)*
- 14.30- 15.00      Safer migration within boundaries by addressing the dialectical relation between  
compliance and resilience  
*T.O Grøtan and S. Antonsen (SINTEF Technology and Society, Norway)*
- 15.00 - 15.30      **Coffee Break and Posters**
- 15.30 - 16.00      'Remixing Rasmussen' – The Evolution of the AcciMap Notation within Accident  
Analysis  
*Patrick Waterson (Loughborough University, UK), Dan Jenkins (DCA, International,  
UK), Paul Salmon (University of the Sunshine Coast, Australia) and Peter  
Underwood (DCA, International, UK)*
- 16.00 - 16.30      South Korea Ferry Disaster through the AcciMap: Analysis and Recommendations  
*Gyuchan Thomas Jun, Dohyung Kee, Patrick Waterson and Roger Haslam*  
*(Loughborough University)*
- 16.30 - 17.00      Wrapping up Day 1
- 19:00              *Dinner in a restaurant at or near the conference site*



<b>Day 2: Aug. 21st</b>	<b>Risø National Laboratory</b>
08:00	Bus from DGI Byen Copenhagen to Risø, Roskilde
08:45	Coffee/tea and a quick croissant at Risø – Lobby at Niels Bohr Auditorium
09.00 - 09.30	SHERPA revisited: Application of a systematic process for identifying and managing human error in safety critical tasks <i>David Embrey (Human Reliability Associates, UK)</i>
09.30 - 10.00	Reflecting on Jens Rasmussen's legacy (2): A constructivist turn <i>Jean-Christophe Le Coze (INERIS, France)</i>
10.00 - 10.30	Rasmussen Number Greater than One <i>Bob Wears and Shawna Perry (University of Florida, USA/Imperial College, London, UK, Virginia Commonwealth University, USA)</i>
10.30 - 11.00	Cognitive Work Analysis: A Powerful Legacy <i>Neelam Naikar (Defence Science and Technology Organisation, Australia)</i>
11.00 - 11.30	<b><i>Coffee Break and Posters</i></b>
11.30 - 12.00	Rasmussen, engineering, and the influence of indicator diagrams <i>Richard Cook (Royal Institute of Technology, Stockholm, Sweden)</i>
12.00 - 13.00	Panel discussion: Taking stock of the legacy of Jens Rasmussen and closing remarks  <b><i>Lunch – sit down lunch / lunch to go for participants leaving for the airport</i></b>
13:15	Bus leaves for Copenhagen Airport – expected time of arrival: 14:00