Velkommen til HFC møtet

New technology – emerging risks - What capabilities and competence do we need to resolve new challenges? (Kapasitet og kompetanse)

3. mai 12:00-17:45
4. mai 08:30-12:30

Har vi kapasitet og kompetanse?

Nye begreper – mye teknologioptimisme

Har vi kompetanse og kapasitet til å

innfører systemer som er sikre?

Sørger vi for meningsfull menneskelig kontroll?

Program 3.mai (Nettverk: Entra Passord: Valhall2013)

Dag 1

11:00-12:00	**Lunsj (Hos Ydalir Hotel)**	**Ydalir**
12:00-12:30	Welcome/Velkommen - PTIL (og presentasjonsrunde)	PTIL
12:30-13:15	**Safety and Human Performance**	**M. Berling/Equinor**
	Future Competence Needs and Current Gaps	**A.J.Ringstad/Equinor**
13:30-14:00	**Human Factors and Digitalization**	**L. I.Vestly/ PTIL**
14:30-15:00	**NTNU – Kapasitetsløft innen Human Factors**	**O.A.Alsos/**
15:15-15:45	**UiO -Perspektiver fra utdanningssektoren**	**C. Bjørkli/UiO**
16:15-16:45	**Considerations in Designing and Evaluation of Intelligent Decision Aids**	**E. Roth/Cog. Eng**
17:00-17:45	**Har vi kunnskap og kompetanse innen HF for utfordringene som kommer?**	**A. Bye**
19:00	Middag –på hotellet Ydalir	

Program 4.mai (Samme navneskilt brukes begge dager)

Dag 2

08:30-08:35	Introduksjon/Velkommen	
08:35-09:05	**Risikostyring i en usikker fremtid**	**O.A. Engen/UiS**
09:15-09:45	**The risks of Nuclear energy**	**J. Emblemsvåg/NTNU**
10:00-10:30	**Sikkerhet i Hydrogenproduksjon**	**K. Nerem/Norsk Hydrogen**
10:45-11:15	**A systems perspective on maritime autonomy. The Vessel Traffic Service's contribution to safe coexistence between autonomous and conventional vessels**	**T. Relling/ NTNU**
11:25-11:55	**Open Remote – How can we achieve harmonized design across multi-vendor ROCs?**	**K. Nordby/AHO**
12:00-12:30	**Opportunities and barriers for truck platooning in Norway**	**M. Eitrheim/ NTNU**
	Lunsj (Hos Ydalir Hotel)	**Ydalir**

PS: Lever tilbake navneskilt

«New Technology in Control?»

“Human Factors in Control?”

346 - Boeing Max – 2018 and 2019

1- Joshua Brown - 2016

11-Deepwater Horizon-2010

7-11 Mlrd –Helge Ingstad - 2018

Evaluering av møtet gjør HFC bedre

(Papirskjema eller Docs på www.hfc.sintef.no – møtereferat)

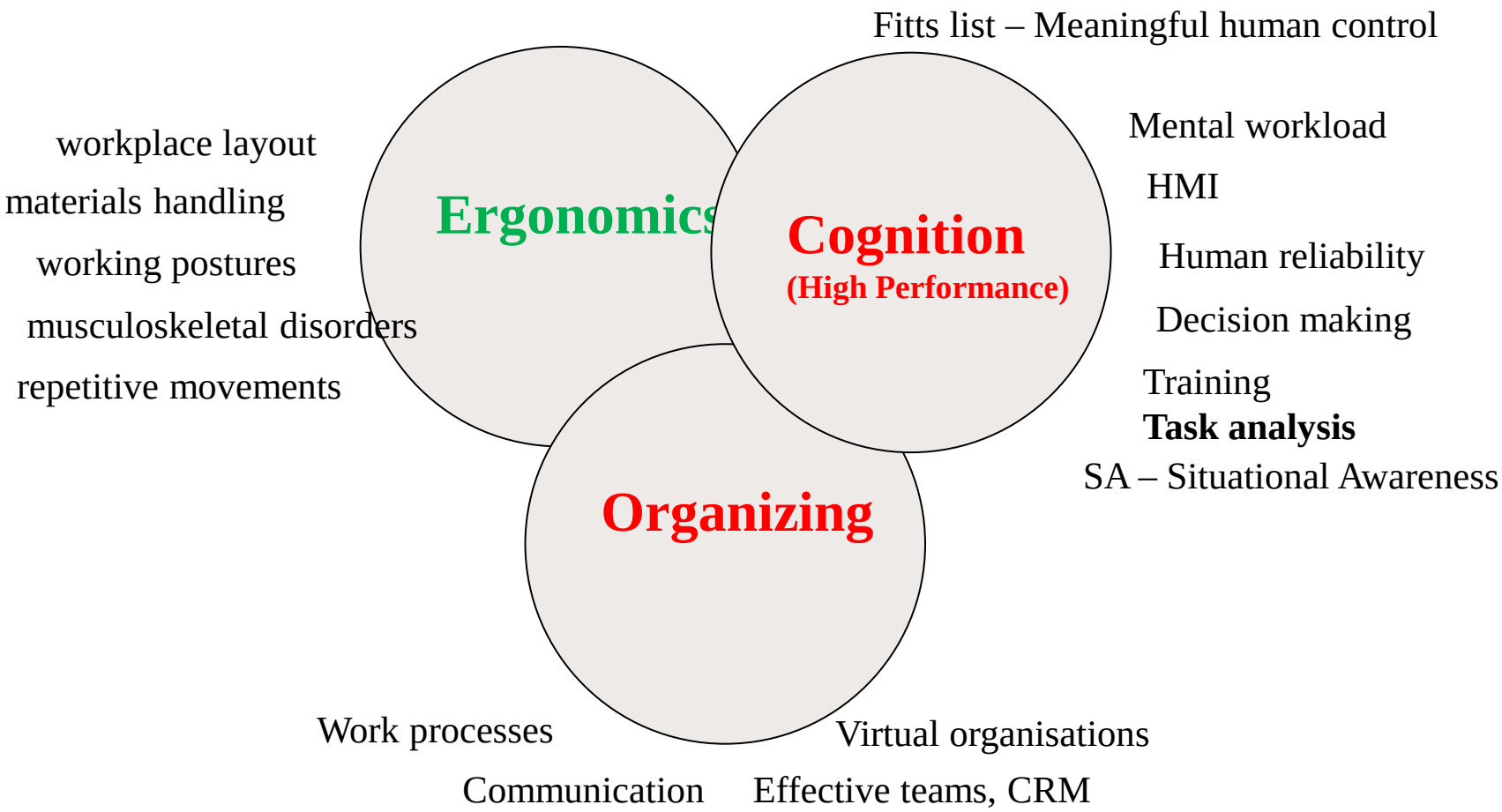
Evaluering av HFC Møtet 3. & 4.mai 2022

New technology, emerging risks – What capabilities and competence do we need to resolve new challenges?

Kryss av under Vurdering, bruk "+" om du er fornøyd og "-" om du ikke er fornøyd. (Nøytral vurdering angis ved å krysse av under 0). Skriv utdypende kommentarer på side 1-2. (+ Good; 0- Neutral;- Poor)

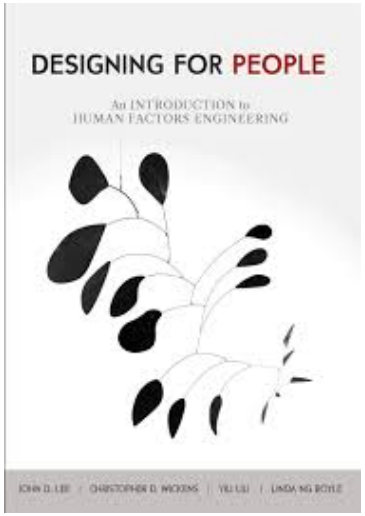
Tema (Evaluation of presentation)	Evaluation			Utdypende kommentarer (Comments)
1) Safety and Human Performance M. Berling &J.T.Ludvigsen/Equinor	+	0	-	
2) Human Factors and Digitalization L. I.Vestly/ PTIL	+	0	-	
3) NTNU – Kapasitetsløft innen Human Factors O.A.Alsos/ T. Hernes/NTNU	+	0	-	
4) UiO -Perspektiver fra utdanningssektoren C. Bjørkli/UiO	+	0	-	

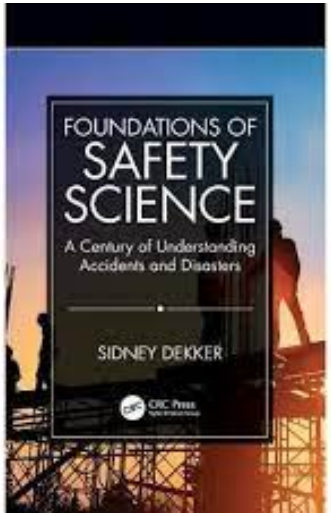
Komplekse og automatiserte systemer

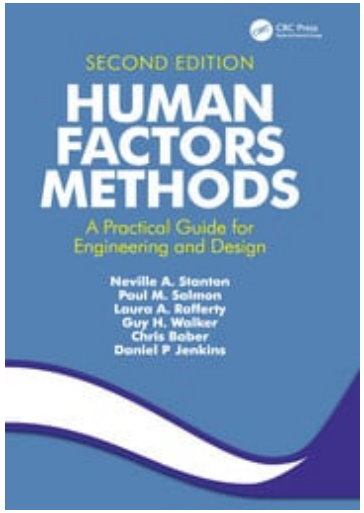


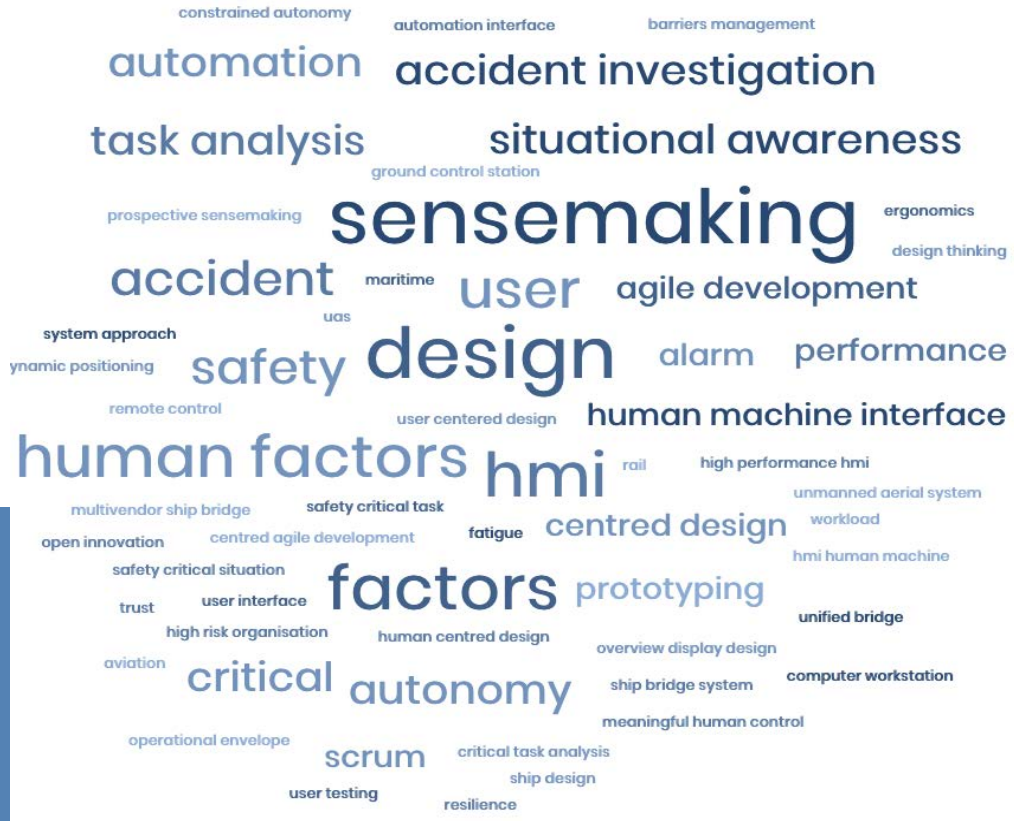
Source: International Ergonomics Association

Kompetanse?


DESIGNING FOR PEOPLE
An INTRODUCTION to HUMAN FACTORS ENGINEERING


FOUNDATIONS OF
SAFETY
SCIENCE
A Century of Understanding Accidents and Disasters
SIDNEY DEKKER
CRC Press


SECOND EDITION
HUMAN FACTORS METHODS
A Practical Guide for Engineering and Design
Neville A. Stanton
Paul M. Salmon
Laura A. Rafferty
Guy H. Walker
Chris Baber
Daniel P Jenkins


constrained autonomy
automation interface
barriers management
automation
accident investigation
task analysis
situational awareness
ground control station
prospective sensemaking
sensemaking
ergonomics
design thinking
accident
maritime
user
agile development
uas
system approach
safety
design
alarm
performance
remote control
user centered design
human machine interface
human factors
hmi
rail
high performance hmi
unmanned aerial system
multivendor ship bridge
safety critical task
workload
open innovation
centred agile development
fatigue
centred design
hmi human machine
safety critical situation
factors
prototyping
trust
user interface
unified bridge
high risk organisation
human centred design
overview display design
aviation
critical
autonomy
computer workstation
ship bridge system
meaningful human control
operational envelope
scrum
critical task analysis
ship design
user testing
resilience

References

- **Lee, J. D., Wickens, C. D., Liu, Y., & Boyle, L. N. (2017). Designing for people: An introduction to human factors engineering. CreateSpace.**
- **https://www.abrisk.co.uk/index.php/34-resources/251-hierarchical-task-analysis-hta**
- Dekker, S. (2004). “Ten questions about human error: A new view of human factors and system safety”. CRC Press.
- **N.A. Stanton & al.(2013) Human Factors Methods**
- **S. Dekker (2019) Foundations of Safety Science**
- **Energy institute – Guidance on human factors safety critical task analysis**
- Norman, D.A. (2013)- The Design of Everyday Things
- S. O. Johnsen, T. Porathe (Eds) (2021): “Sensemaking in Safety Critical and Complex Situations: Human Factors and Design” OA – CC BY 4.0
- Rubin,J. & Chisnell, D. (2008) Handbook of Usability Testing: How to Plan, Design, and Conduct Effective Tests