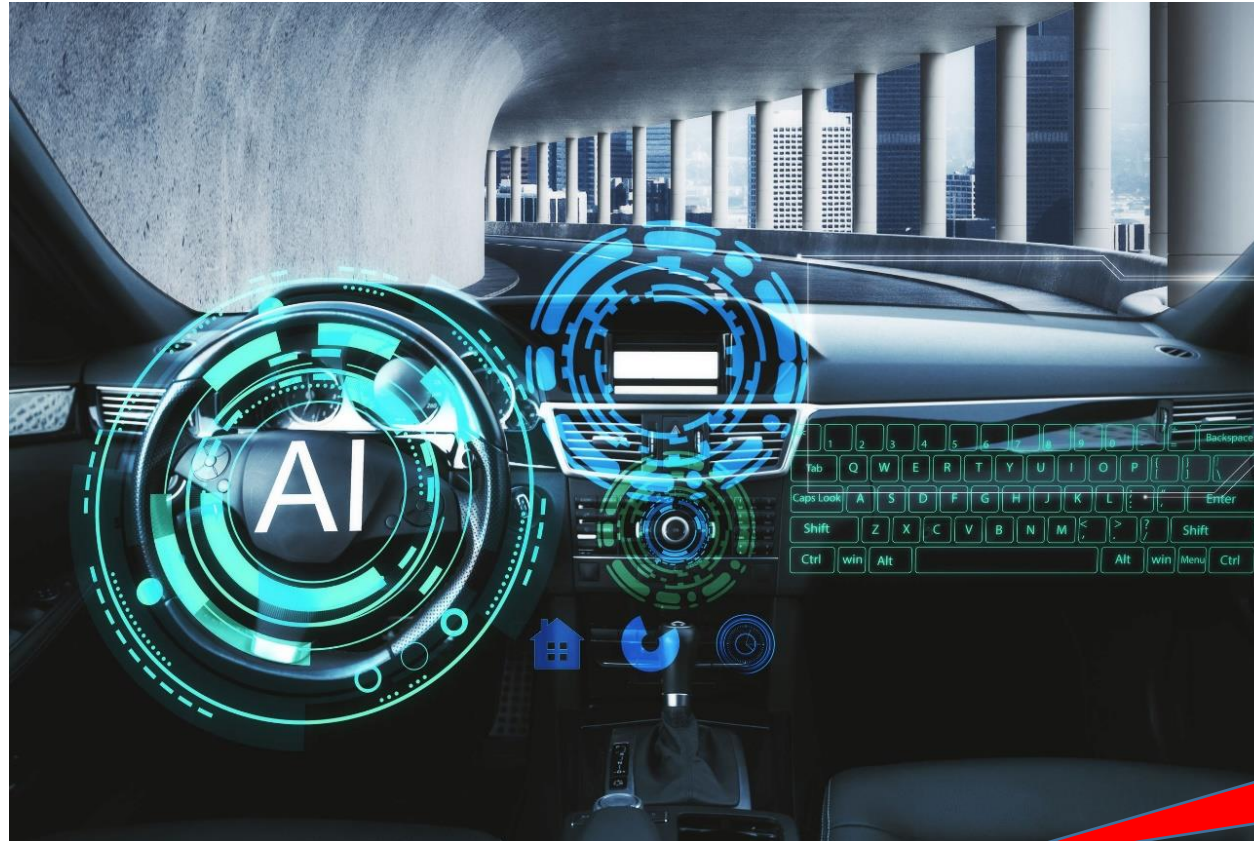


Prof. Dr. Frank J. Furrer

«Engineering Principles for Safety and Security in Cyber-Physical Systems»



Replaced by
ZOOM
Q/A-Meeting

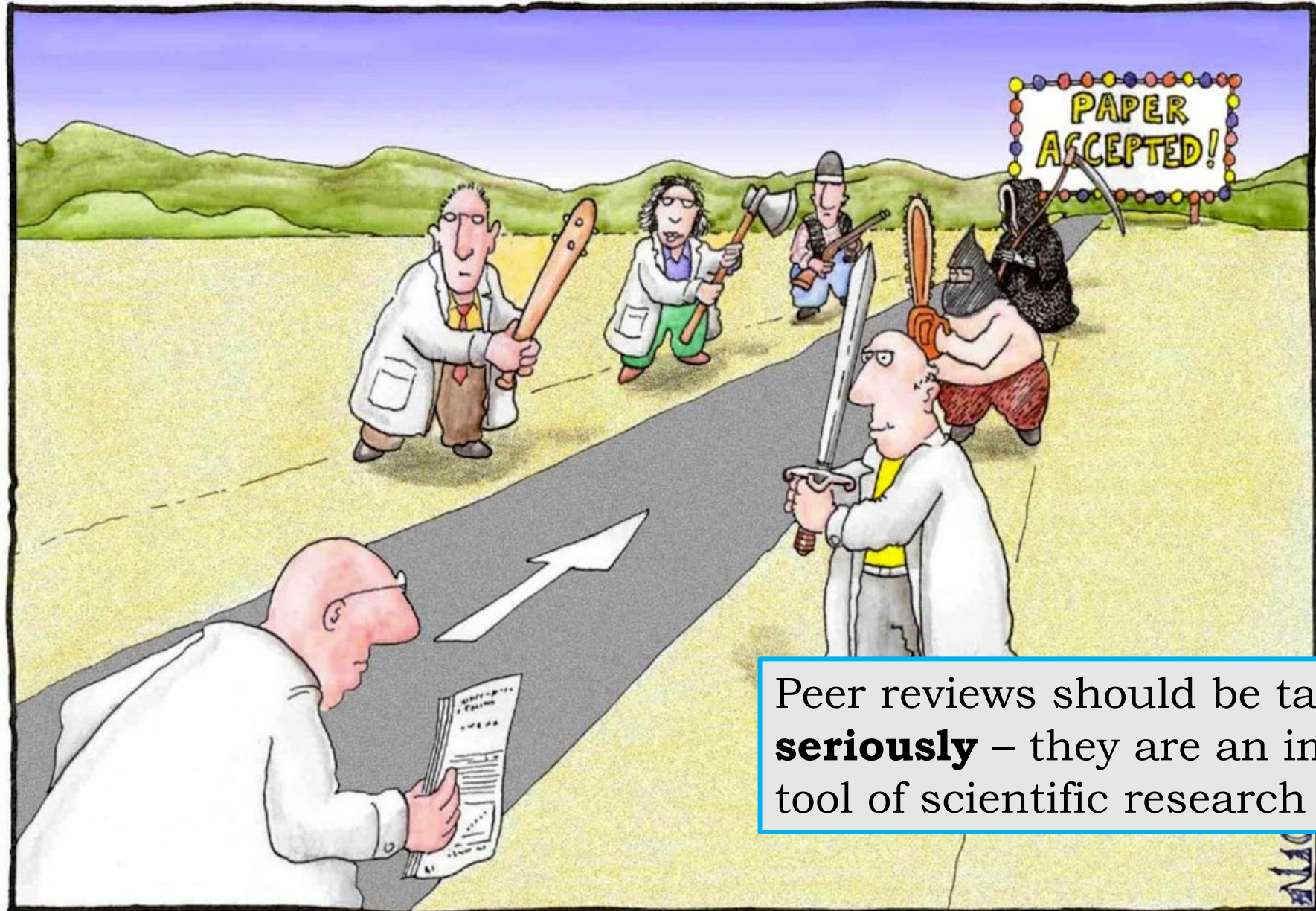
Hauptseminar Day 2: 31. May 2021

Schedule Day 2

Name	Presentation	Feedback
Furrer, Frank J.: <i>Introduction</i>	Introduction 10:00 – 10:15	
Mina Todorova	10:15 – 10:35	10:35 – 10:45
Patrick Sprung	10:45 – 11:05	11:05 – 11:15
Furrer, Frank J.: <i>Final Comments</i>	11:15 -11:30	

... Your Peer Reviews

The peer reviews were fair and helpful – *but rather short*



Peer reviews should be taken very **seriously** – they are an important tool of scientific research

Peer Evaluations: Some "Do's"

1. Do treat the writer with courtesy and respect.
2. Do comment on the performance, not the person.
3. Do focus on how the argument is supported (or not), rather than whether you agree or disagree with it.
4. Do aim for balance and completeness in pointing out strengths and problem areas.
5. Do comment on specific examples of strengths and problem areas.
6. Do aim to help the writer see how to improve future work as well as the current draft.

Peer Evaluations: Some "Don't's"

1. Don't use snippy marginal comments such as "So what?" or "What's your point?"
2. Don't get into debates over unresolvable questions of individual value and belief (for example, questions relating to religion, gun control, or abortion).
3. Don't argue with the writer. Raise objections or ask for explanations only to clarify and suggest ways of strengthening the argument.
4. Don't confine your comments to mechanical details.
5. Don't make vague, global comments.
6. Don't rewrite for the writer

<http://www.mhhe.com/mayfieldpub/maner/resources/peer5.htm>
<http://onlinelibrary.wiley.com/doi/10.1002/9780470750803.app1/pdf>



- Improves paper or project
- Enhances the skills and knowledge of author(s)

Why are peer reviews good for the reviewer(s)?

Academia:

- Leads to important contacts
- Generates visibility and recognition

Industry:

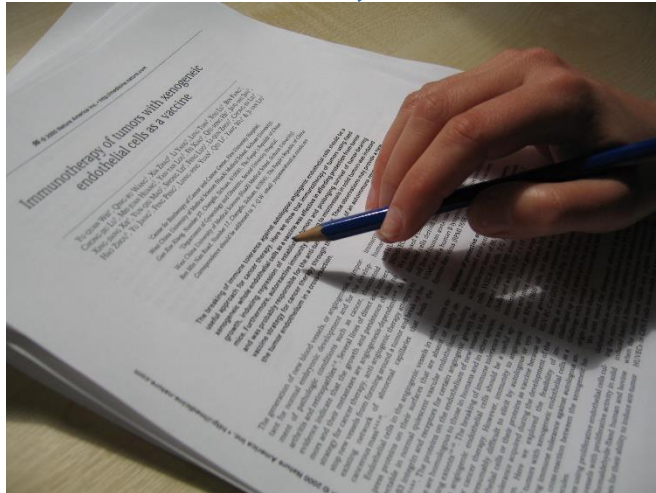
- Massively raises the visible value of the reviewer
- Leads to invitation to project groups



Importance of good reviewers: **Academia**

Feedback for Author
Decision for Publisher

<http://science.spb.ru>



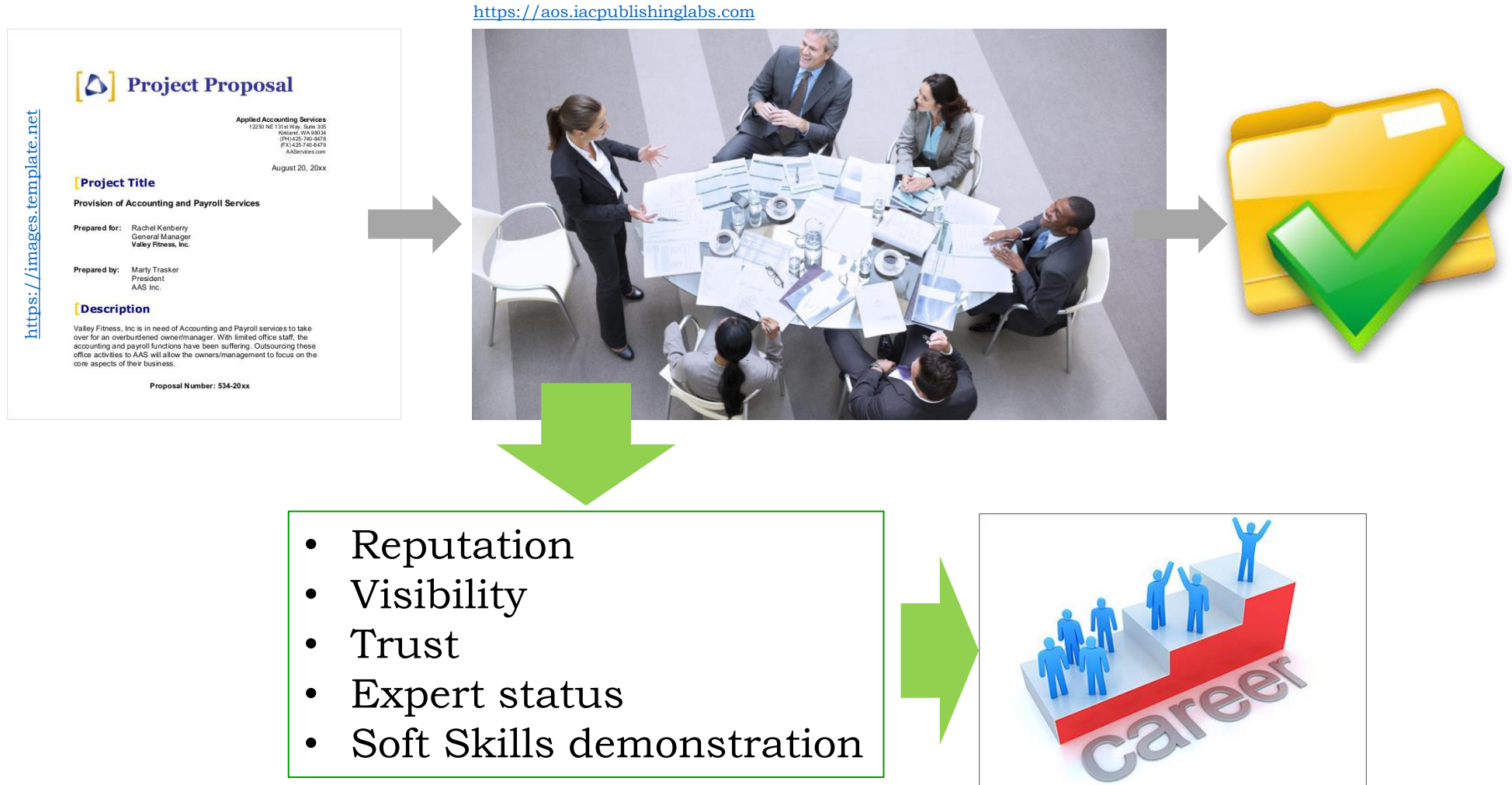
**Review
Report**

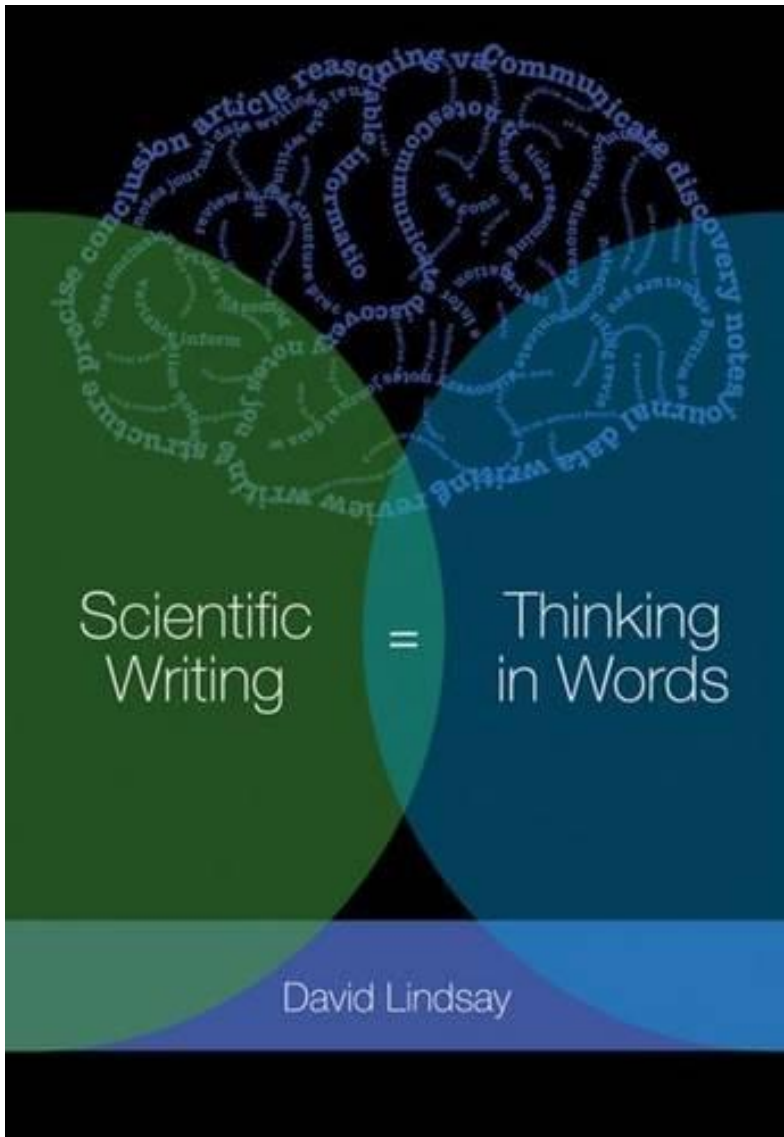
<http://data-mining.philippe-fournier-viger.com>

- Reputation
- Conference Program Committees
- Visibility
- Networking



Importance of good reviewers: **Industry**





David Lindsay:

Scientific Writing = Thinking in Words

CSIRO Publishing (Australia)
2013
ISBN 978-0-643-10046-6

Procedure

Presentation
(15-20 mins)



<http://magneticspeaking.com/blog/>

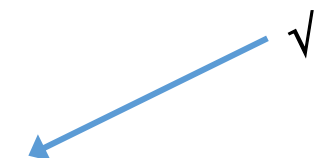
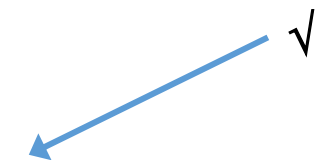
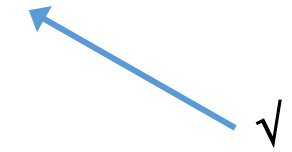
FEEDBACK: Each participant:

1. Ppositive comment
2. Improvement comments

Audience
Feedback
(10 mins)

Storyline	• Logical	Excellent	<input type="checkbox"/>
	• Consistent	Good	<input type="checkbox"/>
	• Attractive	Improvable	<input type="checkbox"/>
Illustrations Pictures	• Clear		
	• Fitting/Adequate	Excellent	<input type="checkbox"/>
	• Granularity	Good	<input type="checkbox"/>
Animation	• Power of Expression	Improvable	<input type="checkbox"/>
	• Support of Speaker		
	• Focussed (emphasizing the message of the slide)	Excellent	<input type="checkbox"/>
Density	• Speed	Good	<input type="checkbox"/>
	• Unnecessary effects	Improvable	<input type="checkbox"/>
	• Timing		
Delivery	• Too dense (per slide or per time unit)	Excellent	<input type="checkbox"/>
	• Too slow (more material per slide or per time unit)	Good	<input type="checkbox"/>
	• Balance of slides	Improvable	<input type="checkbox"/>
Delivery	• Bullet point lists		
	• Personal style	Excellent	<input type="checkbox"/>
	• Interaction with the audience	Good	<input type="checkbox"/>
	• Complementary speech/illustrations	Improvable	<input type="checkbox"/>

Storyline	<ul style="list-style-type: none"> • Logical • Consistent • Attractive • Clear 	<p>Excellent <input type="checkbox"/></p> <p>Good <input type="checkbox"/></p> <p>Improvable <input type="checkbox"/></p>
Illustrations Pictures	<ul style="list-style-type: none"> • Fitting/Adequate • Granularity • Power of Expression • Support of Speaker 	<p>Excellent <input type="checkbox"/></p> <p>Good <input type="checkbox"/></p> <p>Improvable <input type="checkbox"/></p>
Animation	<ul style="list-style-type: none"> • Focussed (message of the slide) • Speed • Unnecessary effects • Timing 	<p>Excellent <input type="checkbox"/></p> <p>Good <input type="checkbox"/></p> <p>Improvable <input type="checkbox"/></p>
Density	<ul style="list-style-type: none"> • Too high • Too low • Balance of slides • Bullet point lists 	<p>Excellent <input type="checkbox"/></p> <p>Good <input type="checkbox"/></p> <p>Improvable <input type="checkbox"/></p>
Delivery	<ul style="list-style-type: none"> • Personal style • Interaction with the audience • Complementary speech/illustrations 	<p>Excellent <input type="checkbox"/></p> <p>Good <input type="checkbox"/></p> <p>Improvable <input type="checkbox"/></p>
Message	<ul style="list-style-type: none"> • Precise • True • „catching“ 	<p>Excellent <input type="checkbox"/></p> <p>Good <input type="checkbox"/></p> <p>Improvable <input type="checkbox"/></p>



What is the sure death of a good presentation ?

<http://info.everywoman.com>




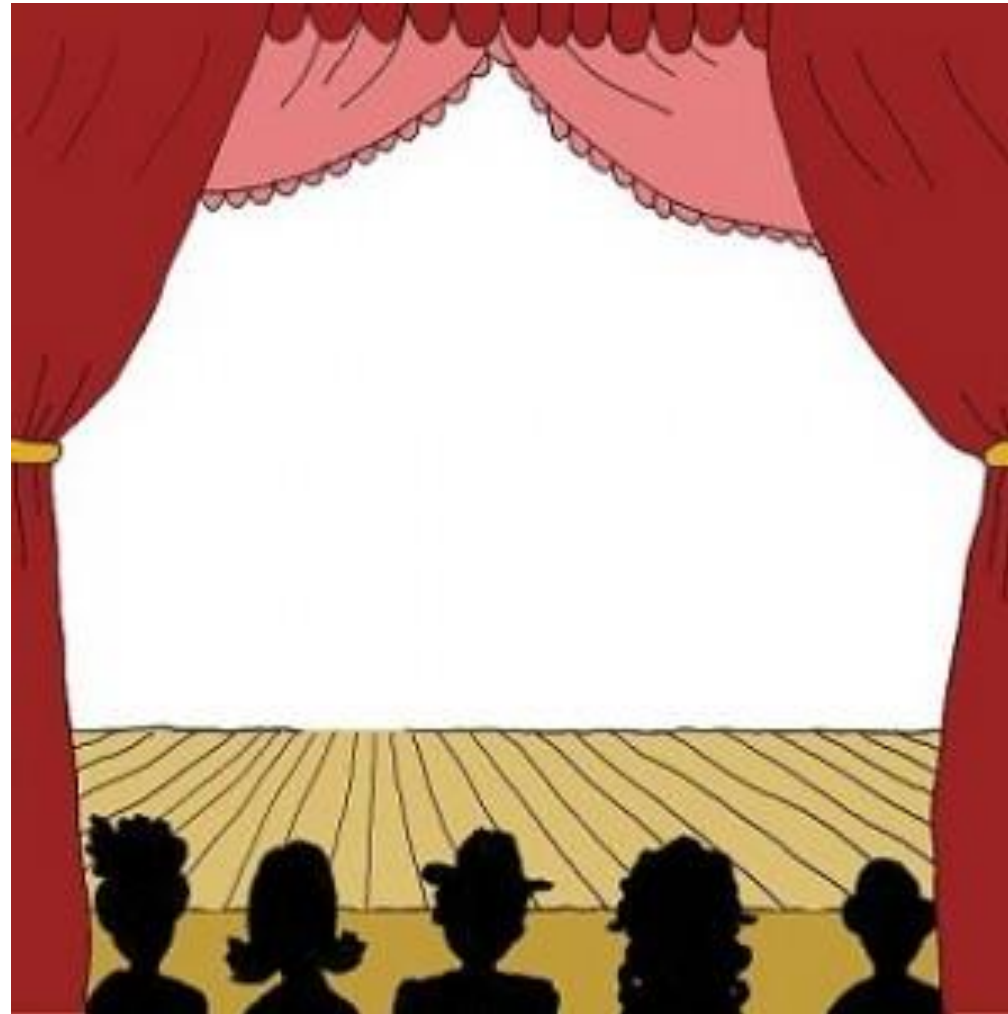
Time overrun !



<http://www.wfs.org>

Schedule Day 2

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Furrer, Frank J.: <i>Introduction</i>	Introduction 10:00 – 10:15 	
Mina Todorova	10:15 – 10:35	10:35 – 10:45
Patrick Sprung	10:45 – 11:05	11:05 – 11:15
Furrer, Frank J.: <i>Final Comments</i>	11:15 -11:30	



... the stage is yours!

Mina Todorova
Presentation 1
31.5.2021

Storyline	<ul style="list-style-type: none"> • Logical • Consistent • Attractive • Clear 	<p>Excellent <input type="checkbox"/></p> <p>Good <input type="checkbox"/></p> <p>Improvable <input type="checkbox"/></p>
Illustrations Pictures	<ul style="list-style-type: none"> • Fitting/Adequate • Granularity • Power of Expression • Support of Speaker 	<p>Excellent <input type="checkbox"/></p> <p>Good <input type="checkbox"/></p> <p>Improvable <input type="checkbox"/></p>
Animation	<ul style="list-style-type: none"> • Focussed (message of the slide) • Speed • Unnecessary effects • Timing 	<p>Excellent <input type="checkbox"/></p> <p>Good <input type="checkbox"/></p> <p>Improvable <input type="checkbox"/></p>
Density	<ul style="list-style-type: none"> • Too high • Too low • Balance of slides • Bullet point lists 	<p>Excellent <input type="checkbox"/></p> <p>Good <input type="checkbox"/></p> <p>Improvable <input type="checkbox"/></p>
Delivery	<ul style="list-style-type: none"> • Personal style • Interaction with the audience • Complementary speech/illustrations 	<p>Excellent <input type="checkbox"/></p> <p>Good <input type="checkbox"/></p> <p>Improvable <input type="checkbox"/></p>
Message	<ul style="list-style-type: none"> • Precise • True • „catching“ 	<p>Excellent <input type="checkbox"/></p> <p>Good <input type="checkbox"/></p> <p>Improvable <input type="checkbox"/></p>

✓

✓

✓

✓

✓

✓

Patrick Sprung
Presentation 1
31.5.2021

Storyline	<ul style="list-style-type: none"> • Logical • Consistent • Attractive • Clear 	<p>Excellent <input type="checkbox"/></p> <p>Good <input type="checkbox"/></p> <p>Improvable <input type="checkbox"/></p>
Illustrations Pictures	<ul style="list-style-type: none"> • Fitting/Adequate • Granularity • Power of Expression • Support of Speaker 	<p>Excellent <input type="checkbox"/></p> <p>Good <input type="checkbox"/></p> <p>Improvable <input type="checkbox"/></p>
Animation	<ul style="list-style-type: none"> • Focussed (message of the slide) • Speed • Unnecessary effects • Timing 	<p>Excellent <input type="checkbox"/></p> <p>Good <input type="checkbox"/></p> <p>Improvable <input type="checkbox"/></p>
Density	<ul style="list-style-type: none"> • Too high • Too low • Balance of slides • Bullet point lists 	<p>Excellent <input type="checkbox"/></p> <p>Good <input type="checkbox"/></p> <p>Improvable <input type="checkbox"/></p>
Delivery	<ul style="list-style-type: none"> • Personal style • Interaction with the audience • Complementary speech/illustrations 	<p>Excellent <input type="checkbox"/></p> <p>Good <input type="checkbox"/></p> <p>Improvable <input type="checkbox"/></p>
Message	<ul style="list-style-type: none"> • Precise • True • „catching“ 	<p>Excellent <input type="checkbox"/></p> <p>Good <input type="checkbox"/></p> <p>Improvable <input type="checkbox"/></p>

✓

✓

✓

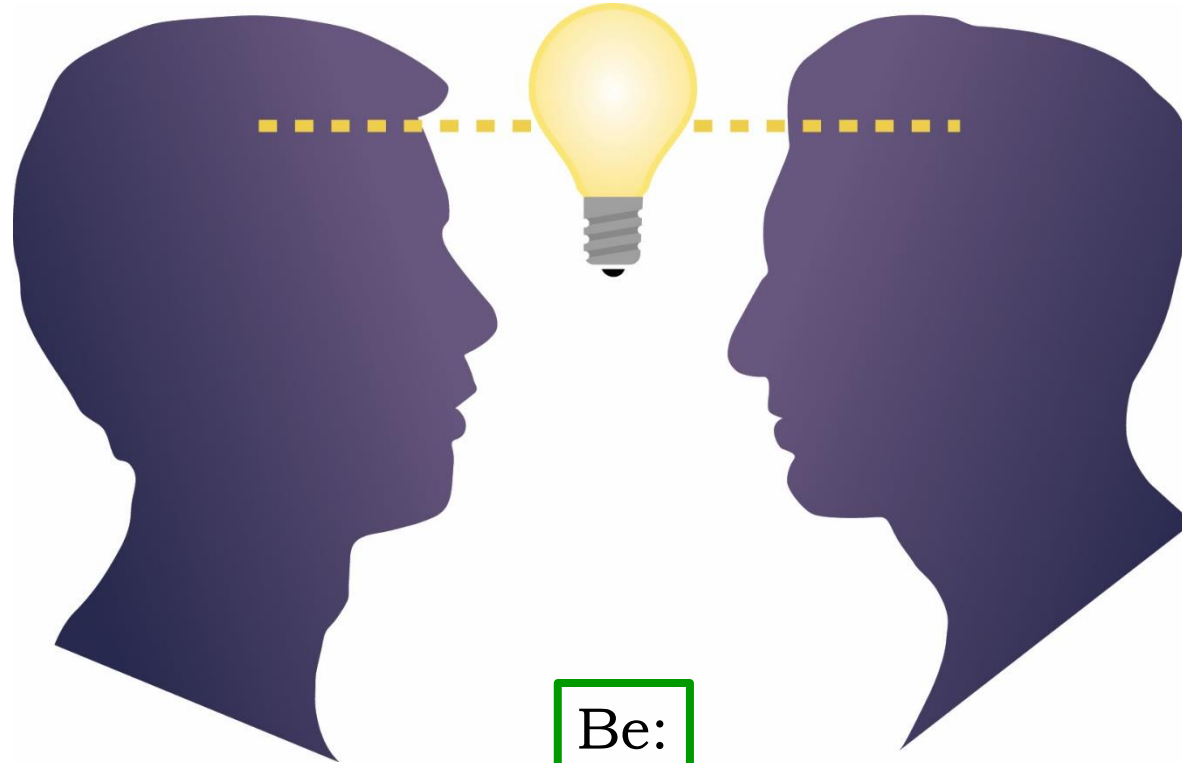
✓

✓

✓

Papers and Presentations do *transport* ideas

<http://ii.library.jhu.edu>



Be:

- focussed

- precise

- interesting

- understandable

- direct

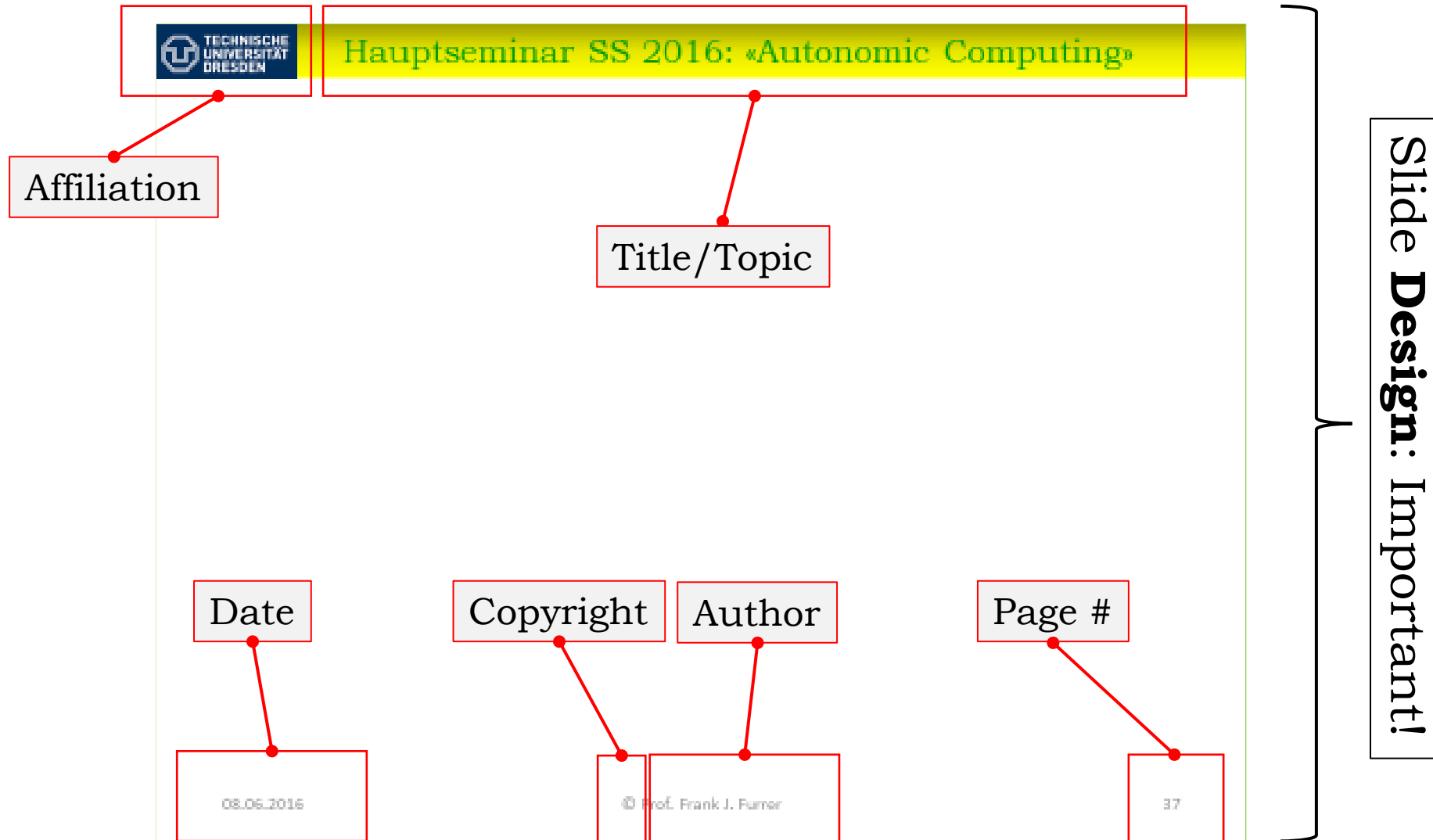
Eliminate unnecessary concepts

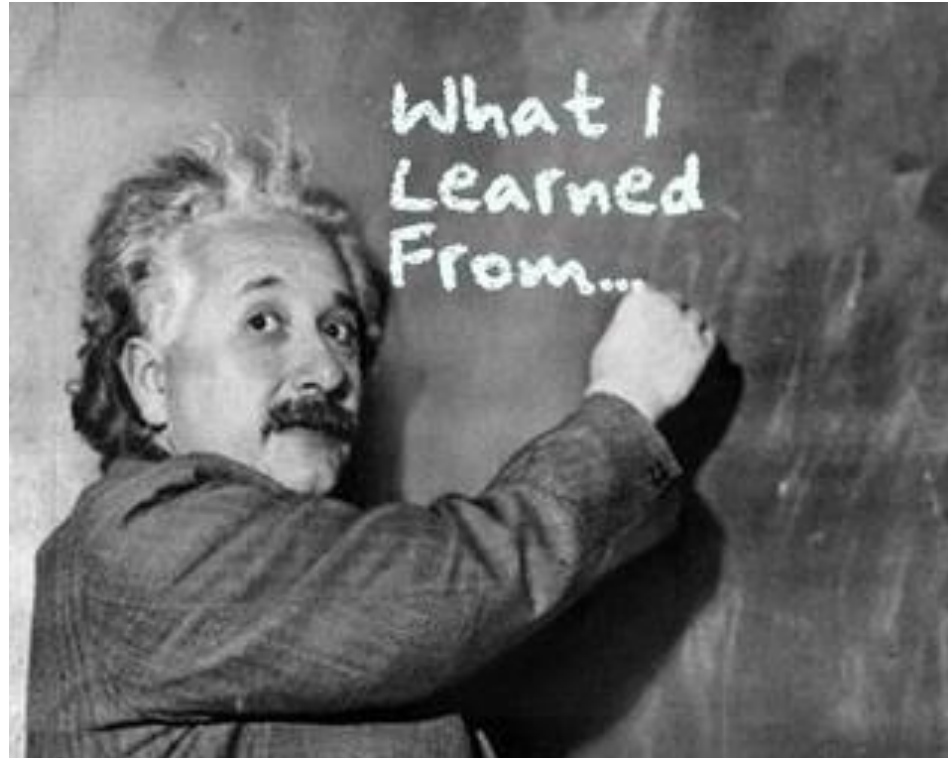
<http://www.pinstopin.com/sieve/>



- Mark all **concepts** in your paper
- Is each concept really necessary?
⇒ if not, eliminate the ~~concept~~
- Are all the concepts well and precisely defined? ⇐ *ambiguity?*

Format of the Slides \Rightarrow Navigation Help!





<http://s574.photobucket.com>

What must your audience take home?



<http://www.protohema.gr>

Your Message!

... and the methods, insights, results of your work

Message

<http://footage.framepool.com>



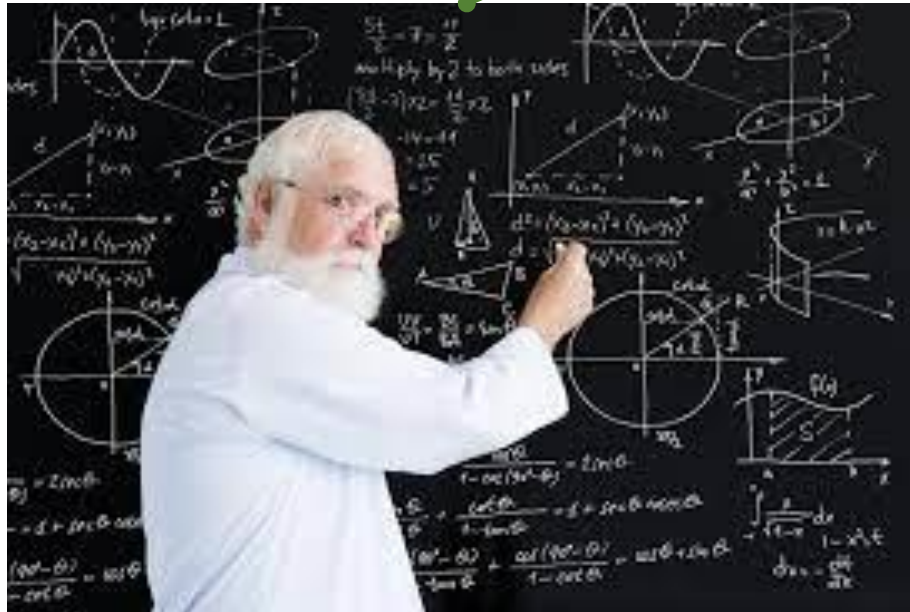
	yes	no	
Clear ?	<input type="checkbox"/>	<input type="checkbox"/>	✓
True ?	<input type="checkbox"/>	<input type="checkbox"/>	✓
Important ?	<input type="checkbox"/>	<input type="checkbox"/>	✓

Message

Writing convincing and admirable papers is an **important soft skill** and a **key factor** for career success both in academia and in industry.



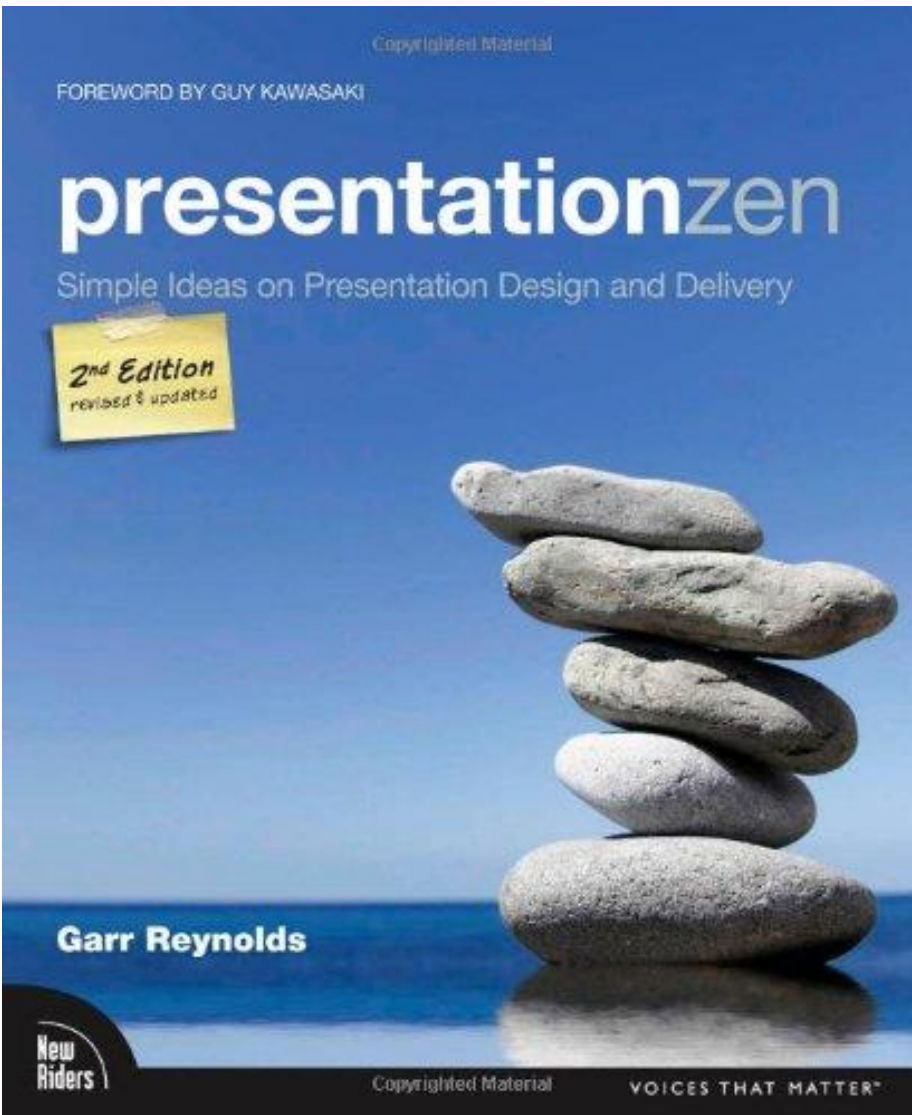
<https://www.myjob.ch>





The first objective is to ensure
that what **you** think you have said
is the same
as what the **reader** thinks you have said

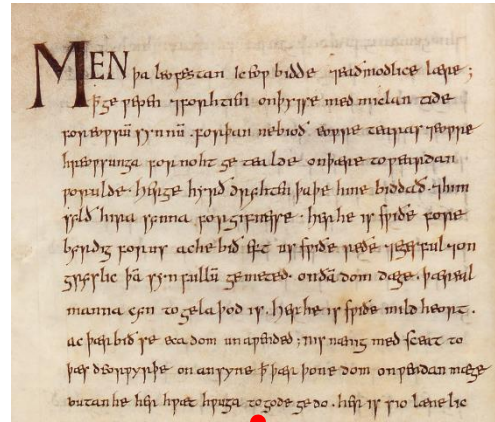
David Lindsay, 2013, ISBN 978-0-643-10046-6



Garr Reynolds:

Presentation Zen:
Simple Ideas on Presentation
Design and Delivery

New Riders, 2nd revised edition, 2011
ISBN 978-0-3218-1198-1



Next
Steps



Hauptseminar Day 2 Meeting Note: ZOOM-session	Monday, May 31, 2021: 09:20 – 10:50/11:10 - 12:40 (2. + 3. DS), Room HSZ/108	<ul style="list-style-type: none"> Participants presentations Peer discussions, Feedback on style & content
Deliver the draft of your paper to your peer reviewers (No storyline update required)	Monday, June 14, 2021	e-mail your paper to: <ul style="list-style-type: none"> Your peer reviewers frank.j.furrer@bluewin.ch
Feedback to paper from Reviewers & F.J. Furrer	Friday, June 18, 2021	By e-mail from: <ul style="list-style-type: none"> Your peer reviewers frank.j.furrer@bluewin.ch
Deliver your final version of your presentation to all participants	Friday, July 2, 2021	By e-mail to: <ul style="list-style-type: none"> All participants frank.j.furrer@bluewin.ch
Hauptseminar Day 3 Meeting Note: ZOOM-session	Monday, July 5, 2021: 09:20 – 10:50/11:10 - 12:40 (2. + 3. DS), Room HSZ/108	<ul style="list-style-type: none"> 2nd participants presentation Peer discussions, Feedback on style and content



Final HS-Day: Monday, July 5, 2021