

Hauptseminar Sommersemester 2015:

# Cognitive Computing

Dr. Frank J. Furrer

**Seminar Day 1: 5-June-2015**

## Content:

1. Introduction (F.J. Furrer)
2. Presentations and Feedback (all)
3. Final Words (F.J. Furrer)

# Introduction



**Which are the situation, the challenges, and the impact of cognitive computing in the year 2025?**

**Q1:** Which are the promising *software architectures* for cognitive computing ?

**Q2:** How does cognitive computing enable *future applications* ?

**Q3:** What is the *impact* of cognitive computing on people, work and society ?

# Choices

Name	$Q_x$
Felix Mai	<b>1</b>
Philipp Schröppel	<b>1</b>
Tobias Nett	<b>1</b>
Tyler Butler	<b>1</b>
Ben Blau	<b>2</b>
Johannes Pietrzyk	<b>3</b>
Robert Richter	<b>3</b>

Good balance!

Thank you

# HS 2015: Cognitive Computing

<b>Name</b>	<b>Peer Reviewers</b>
<b>Ben Blau</b>	Robert Richter Tyler Butler [Dr. Frank J. Furrer]
<b>Felix Mai</b>	Ben Blau Philipp Schröppel [Dr. Frank J. Furrer]
<b>Johannes Pietrzyk</b>	Tobias Nett Felix Mai [Dr. Frank J. Furrer]
<b>Philipp Schröppel</b>	Tyler Butler Robert Richter [Dr. Frank J. Furrer]
<b>Robert Richter</b>	Georg Püschel Johannes Pietrzyk [Dr. Frank J. Furrer]
<b>Tobias Nett</b>	Ben Blau Georg Püschel [Dr. Frank J. Furrer]
<b>Tyler Butler</b>	Tobias Nett Johannes Pietrzyk [Dr. Frank J. Furrer]

## General Remarks related to the Papers and Storylines Version 1

<http://rebeccamancy.net/?p=468>

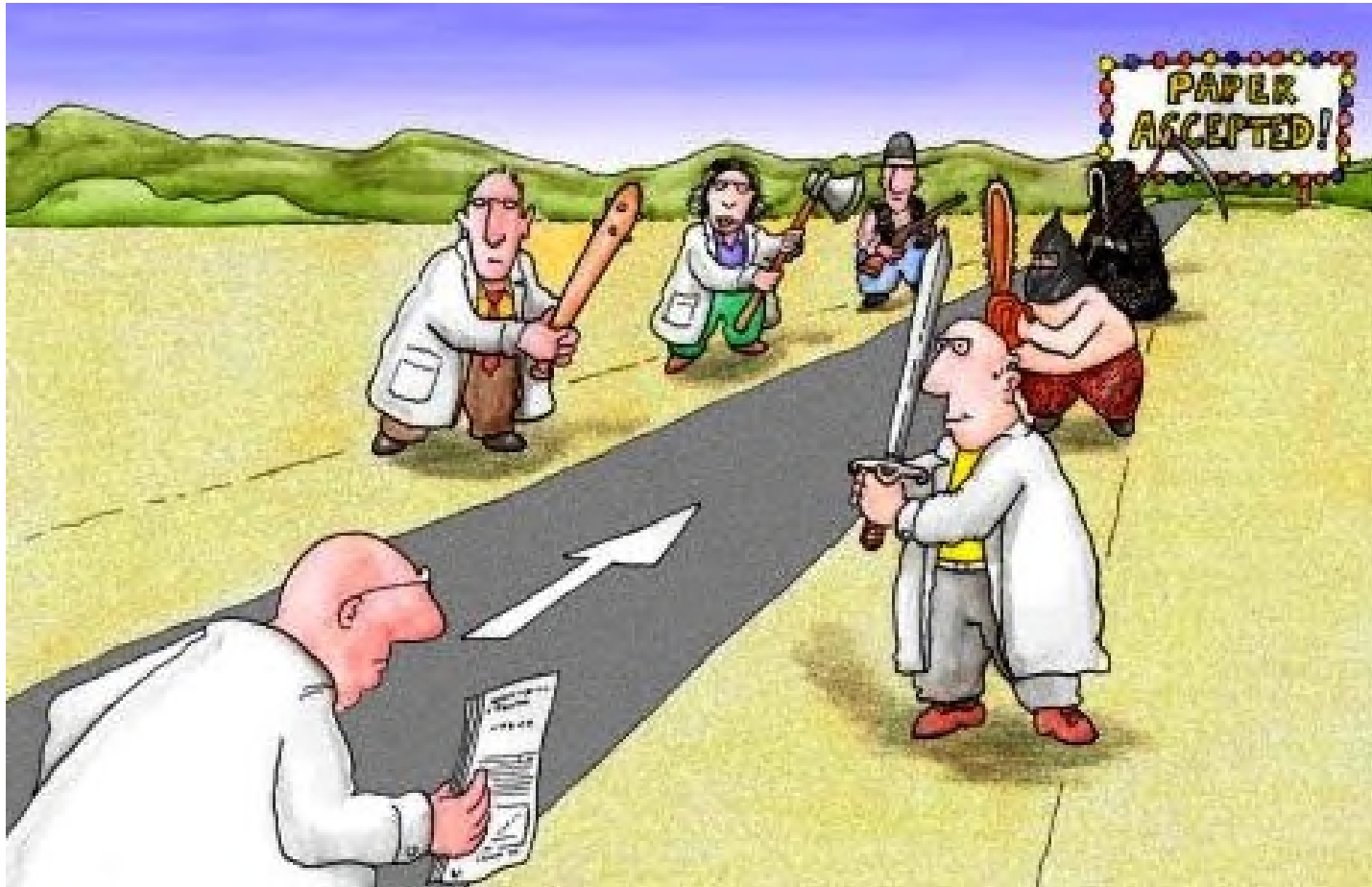


- Interesting and challenging themes selected
- Good storylines
- Paper structure mostly adequate
- Titles not «seducing»
- Some unnecessary concepts
- Not enough substance for a 1<sup>st</sup> review

# HS 2015: Cognitive Computing

## General Remarks related to the Peer Reviews Version 1

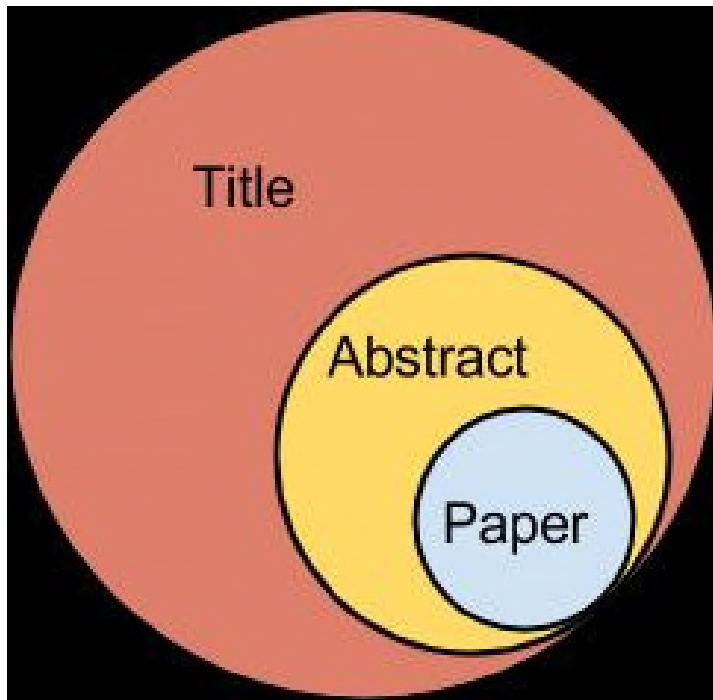
<http://genomicenterprisc.com/blog/2010/09/03>



All peer reviews were fair and helpful



<http://blogs.nature.com/naturejobs/2014/11/03>



## Title

General observation:

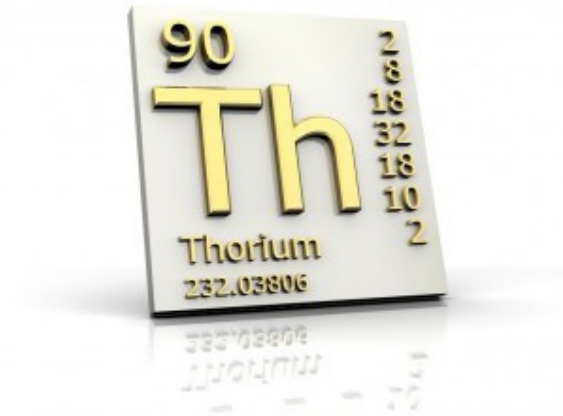
The titles were **not** sufficiently «seducing» and promising

Good academic titles reveal not only the topic of the paper but some idea of your specific approach, argument, and area of discussion

A great academic title should tell your readers as much as possible about your paper's central claim and its significance

*How do I write a great title for my academic essay?* University of Michigan – Sweetland Center for Writing  
<http://www.lsa.umich.edu/UMICH/sweetland/Home/Undergraduate/Writing%20Guides/HowDoIWriteaGreatTitle.pdf>

## Message $\Leftrightarrow$ Title



### **Audience:** YOU!

- *Background:* mathematical-physical-engineering education
- *Prior knowledge:* basic nuclear physics
- *Expectations:* Possible solution to world's energy problem?
- *Reason for attendance:* critical assessment, gain of knowledge

### **Key message:**

$\Leftarrow$  At the same time a wonderful title

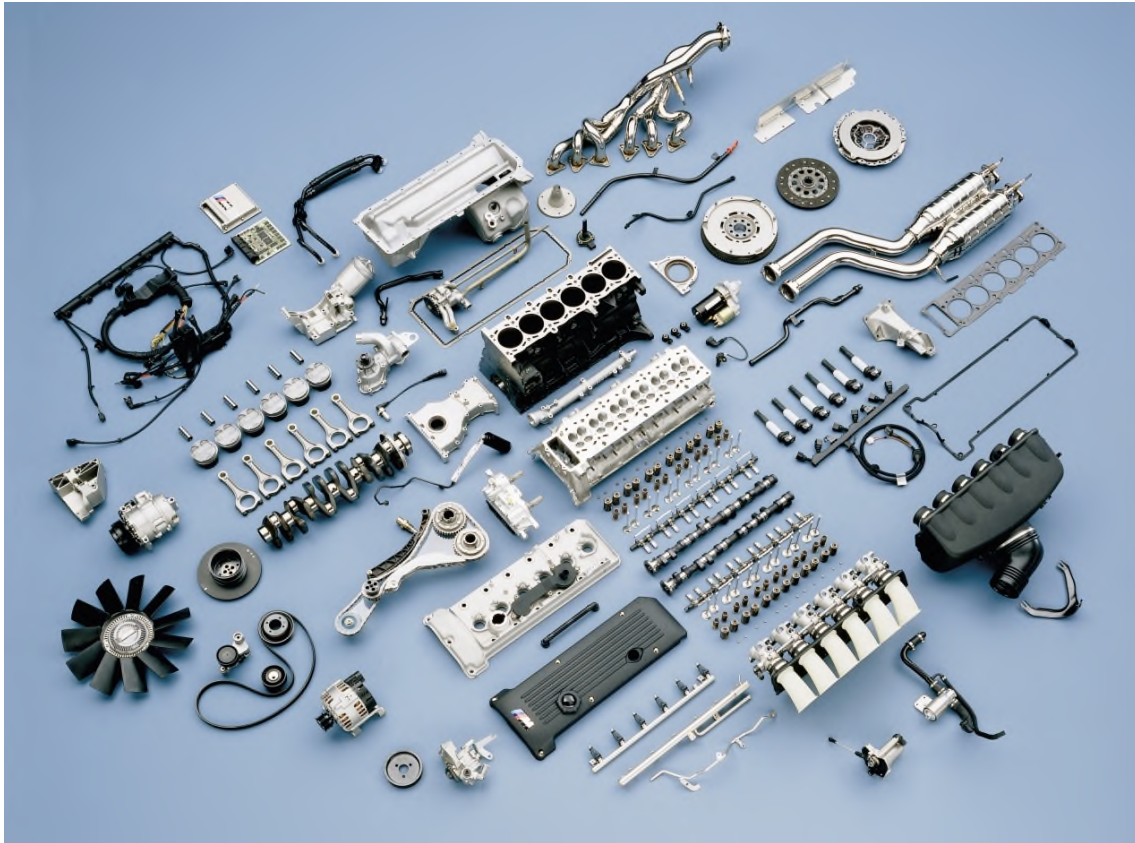
«THORIUM – The Green Energy Source of the Future»

Richard Martin: **Superfuel – Thorium, the green energy source of the future.**

Palgrave MacMillan Publishers, New York, USA, 2012. ISBN 978-0-230-11647-4

## Concepts

<http://newboldbmw.com/BMWParts.aspx>



- ✓ Some concepts are ill defined or not defined at all
- ✓ Are really all introduced concepts necessary for the storyline? ⇐ **Repeated checks & elimination necessary**



- **State of the Art**
- **Message of the Paper**

✓ The state of the art: a) what is the current knowledge?  
b) which is the related literature?

✓ Message of the paper: a) what is the new knowledge?  
b) which is the contribution of the author? c) why is it important? **⇐ NOT in the conclusions, but a separate chapter before**

# Presentations & Feedback

# HS 2015: Cognitive Computing

## Procedure

Presentation  
(15 mins)



Audience  
Feedback  
(10 mins)

**FEEDBACK: Each participant:**

1. One positive comment
2. One improvement comment

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

# HS 2015: Cognitive Computing

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

# Time-Table

Name	Q <sub>x</sub>	Presentation (15 min)	Feedback (10 min)
Introduction (F.J. Furrer)		09:00 – 09:15	
Felix Mai	<b>1</b>	09:15 – 09:30	09:30 – 09:40
Philipp Schröppel	<b>1</b>	09:40 – 09:55	09:55 – 10:05
Tobias Nett	<b>1</b>	10:05 – 10:20	10:20 – 10:30
Tyler Butler	<b>1</b>	10:30 – 10:45	10:45 – 10:55
Break		10:55 – 11:15	
Ben Blau	<b>2</b>	11:15 – 11:30	11:30 – 11:40
Robert Richter	<b>3</b>	11:40 – 11:55	11:55 – 12:05
Johannes Pietrzyk	<b>3</b>	12:05 – 12:20	12:20 – 12:30
Final Words (F.J. Furrer)		12:30 – 13:00	



What is the sure death of a good presentation ?

<http://info.everywoman.com>



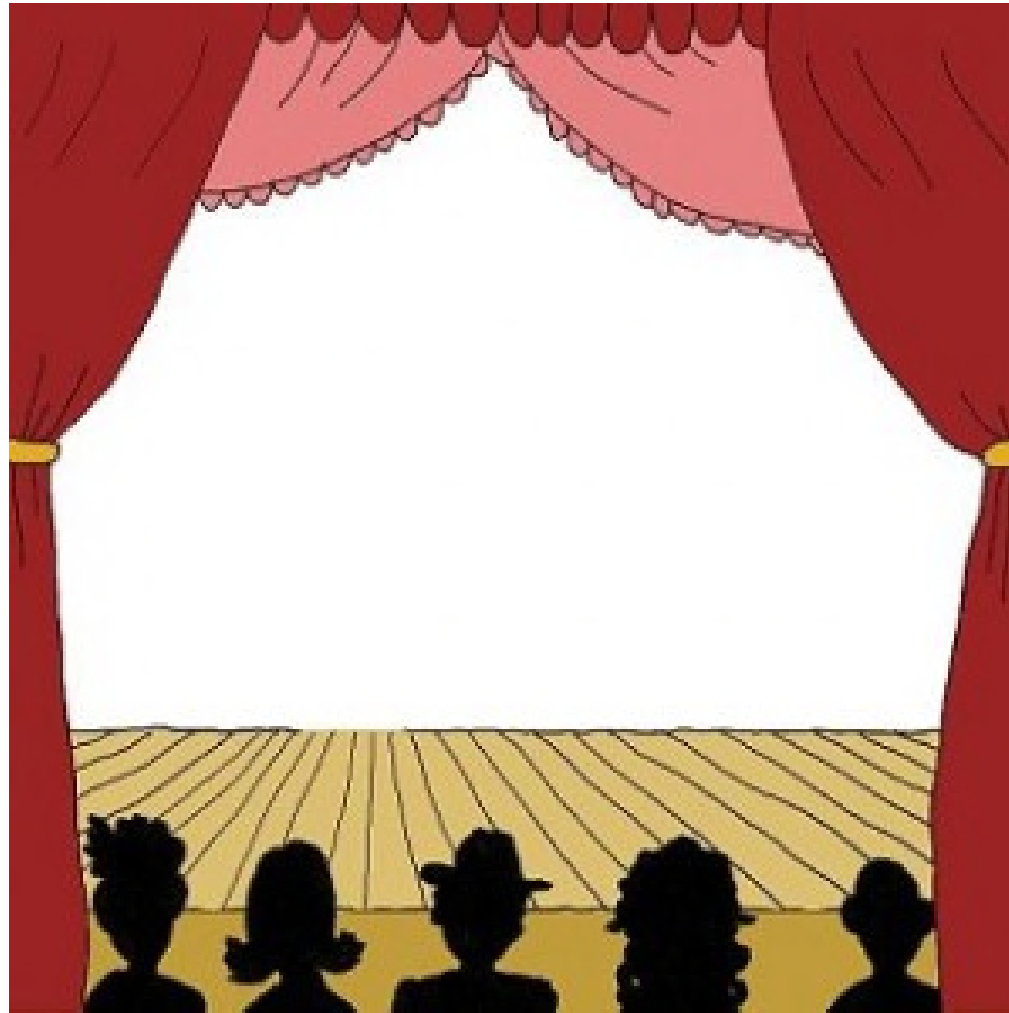
**Time overrun !**



<http://www.wfs.org>

# HS 2015: Cognitive Computing

<http://www.ioannamartin.tv/inspiration/will-you-ever-meet-your-ideal-client/>



... the stage is yours!

# HS 2015: Cognitive Computing

Name	Presentation	Feedback
Felix Mai	09:15 – 09:30	09:30 – 09:40

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

# HS 2015: Cognitive Computing

Name	Presentation	Feedback
Philipp Schröppel	09:40 – 09:55	09:55 – 10:05

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

# HS 2015: Cognitive Computing

Name	Presentation	Feedback
Tobias Nett	10:05 – 10:20	10:20 – 10:30

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

# HS 2015: Cognitive Computing

	Name	Presentation	Feedback
	Tyler Butler	10:30 – 10:45	10:45 – 10:55
<b>Storyline</b>	<ul style="list-style-type: none"> <li>• Logical</li> <li>• Consistent</li> <li>• Attractive</li> <li>• Clear</li> </ul>	<p style="color: green;">Excellent</p> <p style="color: blue;">Good</p> <p style="color: red;">Improvable</p>	<input type="checkbox"/> <input checked="" type="checkbox"/> <input type="checkbox"/>
<b>Illustrations Pictures</b>	<ul style="list-style-type: none"> <li>• Fitting/Adequate</li> <li>• Granularity</li> <li>• Power of Expression</li> <li>• Support of Speaker</li> </ul>	<p style="color: green;">Excellent</p> <p style="color: blue;">Good</p> <p style="color: red;">Improvable</p>	<input type="checkbox"/> <input checked="" type="checkbox"/> <input type="checkbox"/>
<b>Animation</b>	<ul style="list-style-type: none"> <li>• Focussed (message of the slide)</li> <li>• Speed</li> <li>• Unnecessary effects</li> <li>• Timing</li> </ul>	<p style="color: green;">Excellent</p> <p style="color: blue;">Good</p> <p style="color: red;">Improvable</p>	<input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/>
<b>Density</b>	<ul style="list-style-type: none"> <li>• Too high</li> <li>• Too low</li> <li>• Balance of slides</li> <li>• Bullet point lists</li> </ul>	<p style="color: green;">Excellent</p> <p style="color: blue;">Good</p> <p style="color: red;">Improvable</p>	<input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/>
<b>Delivery</b>	<ul style="list-style-type: none"> <li>• Personal style</li> <li>• Interaction with the audience</li> <li>• Complementary speech/illustrations</li> </ul>	<p style="color: green;">Excellent</p> <p style="color: blue;">Good</p> <p style="color: red;">Improvable</p>	<input type="checkbox"/> <input checked="" type="checkbox"/> <input type="checkbox"/>

# HS 2015: Cognitive Computing

Name	Presentation	Feedback
Ben Blau	11:15 – 11:30	11:30 – 11:40

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

# HS 2015: Cognitive Computing

Name	Presentation	Feedback
Robert Richter	12:05 – 12:20	12:20 – 12:30

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



# HS 2015: Cognitive Computing

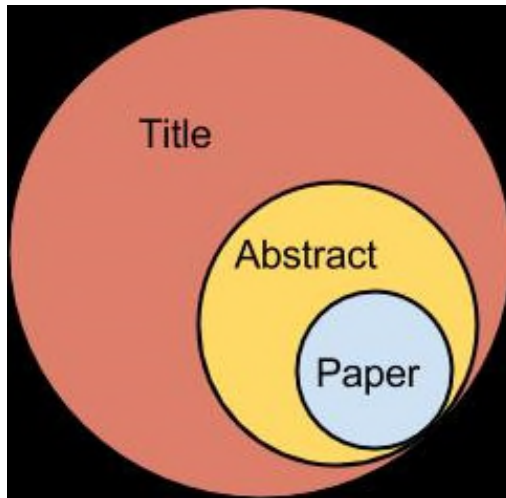
Name	Presentation	Feedback
Johannes Pietrzyk	11:40 – 11:55	11:55 – 12:05

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

# Final Words

3 areas of improvement:

## Title



<http://blogs.nature.com/naturejobs/2014/11/03>

... catching  
... promising  
... seducing

## Storyline



<http://www.hans-und-renate.de/2011/09>

... logical  
... "simple"  
... convincing

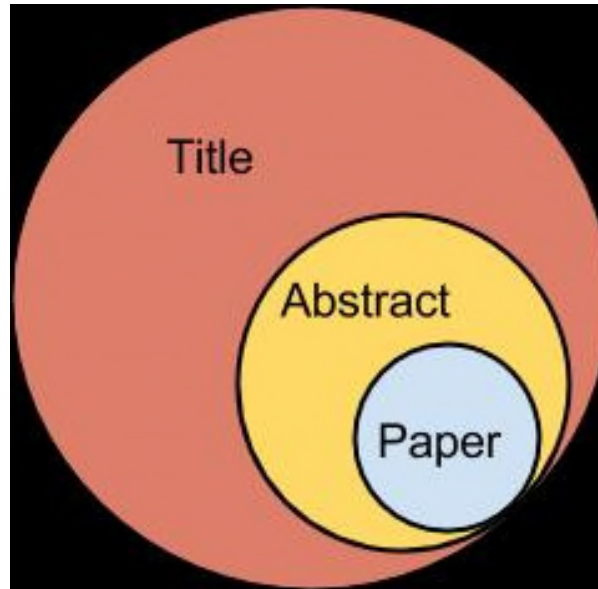
## Unnecessary Concepts



<http://www.deviantart.com/morelikethis>

... minimize  
... define  
... consistency

# Title



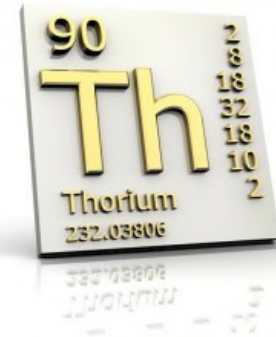
<http://blogs.nature.com/naturejobs/2014/11/03>

Good academic titles reveal not only the topic of the paper but some idea of your specific approach, argument, and area of discussion

A great academic title should tell your readers as much as possible about your paper's central claim and its significance

***How do I write a great title for my academic essay?*** University of Michigan – Sweetland Center for Writing  
<http://www.lsa.umich.edu/UMICH/sweetland/Home/Undergraduate/Writing%20Guides/HowDoIWriteaGreatTitle.pdf>

# Graphical Storyline Check



**Key message:**

«THORIUM  
– The Green Energy Source of the Future»

Consequences and Dangers  
of Uranium-Technology

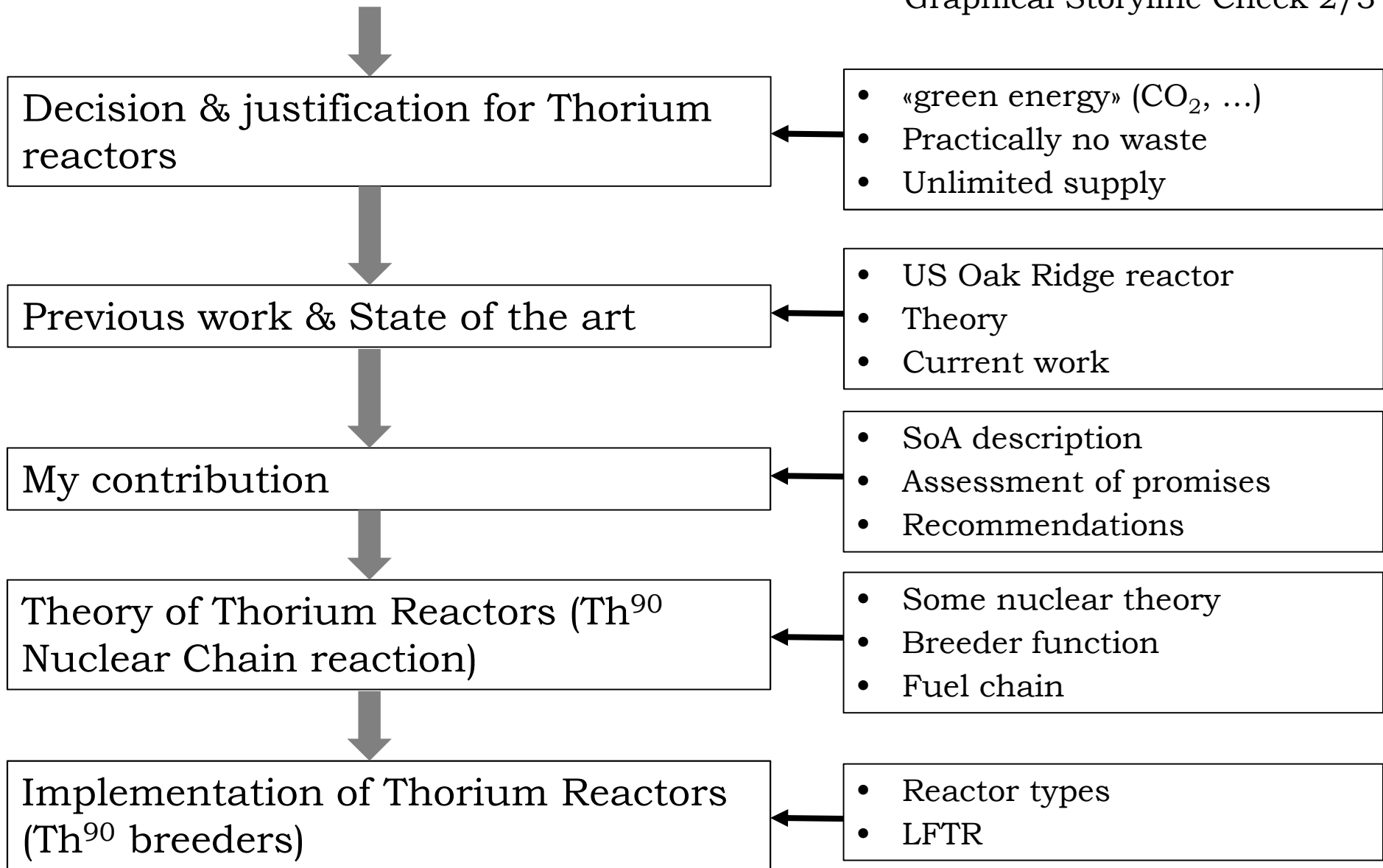
- Radioactive waste
- Nuclear accidents
- Plutonium (weapons)

Need for a new, clean and safe  
energy generation technology

- environment
- zero accident potential
- Large scale affordability

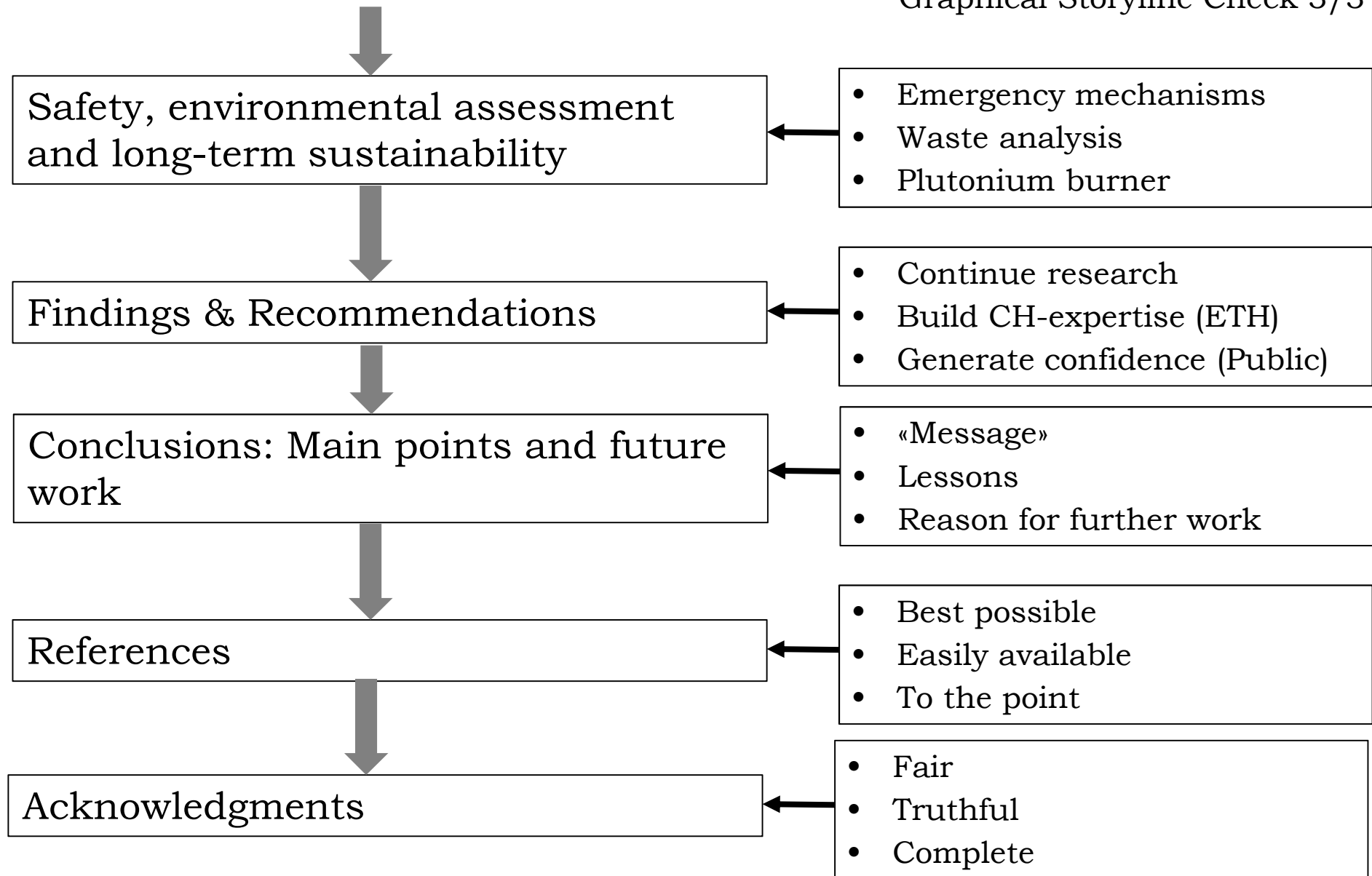
Survey and assessment of energy  
generation technologies

- «green energy»
- Nature protection
- Long-term sustainability



# HS 2015: Cognitive Computing

Graphical Storyline Check 3/3



## Eliminate unnecessary concepts

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

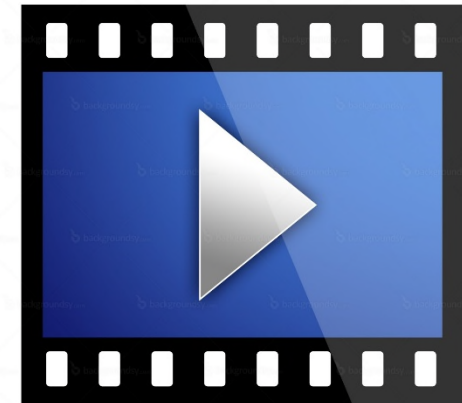
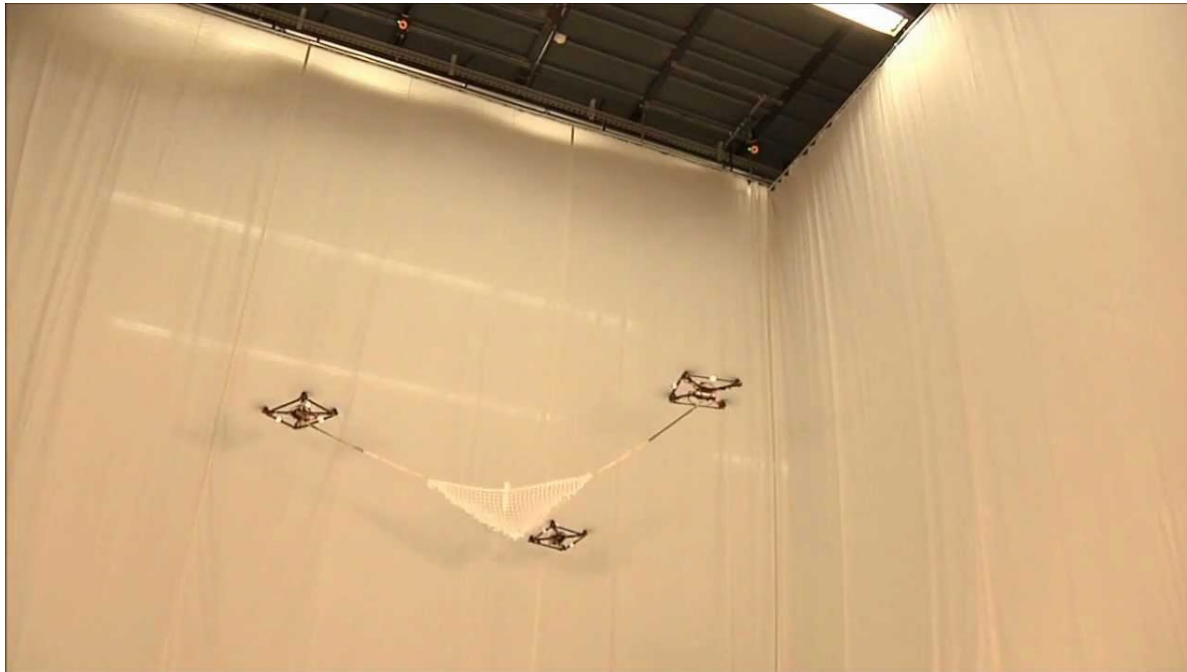


- Mark all **concepts** in your paper
- Is each concept really necessary?  
⇒ if not, eliminate the ~~concept~~
- Are all the concepts well and precisely defined? ⇐ *ambiguity*?



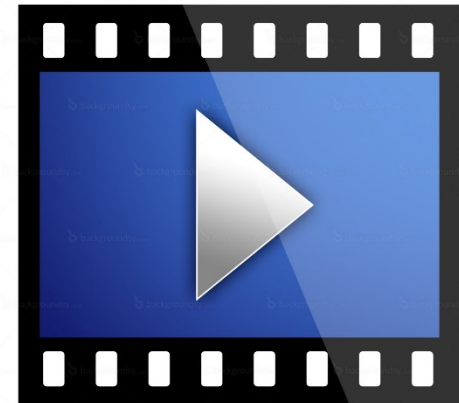
# Quadrocopter Ball Throwing

<https://www.youtube.com/watch?v=hyGcJBV1xnI>



# Da Vinci Operating Robot

<http://www.klinikum-worms.de/da-vinci-op-roboter.html>



# HS 2015: Cognitive Computing

<b>1<sup>st</sup> Seminar Day</b> <div style="text-align: center;"><b>6</b></div>	<b>Friday, June 5, 2015: 09:00 – 13:00</b> <b>Room INF 2101</b>	<ul style="list-style-type: none"> <li>• Participants presentations</li> <li>• Peer discussions, Feedback on style &amp; content</li> </ul>
Deliver 2 <sup>nd</sup> , improved draft of your paper to your peer reviewers <div style="text-align: center;"><b>7</b></div>	Friday, June 19, 2015	e-mail your paper: <ul style="list-style-type: none"> <li>• Peer reviewers</li> <li>• <a href="mailto:frank.j.furrer@bluewin.ch">frank.j.furrer@bluewin.ch</a></li> <li>• <a href="mailto:Georg.Pueschel1@mailbox.tu-dresden.de">Georg.Pueschel1@mailbox.tu-dresden.de</a></li> </ul>
Feedback from Reviewers <div style="text-align: center;"><b>8</b></div>	Friday, July 3, 2015	By e-mail from: <ul style="list-style-type: none"> <li>• The peer reviewers</li> <li>• <a href="mailto:frank.j.furrer@bluewin.ch">frank.j.furrer@bluewin.ch</a></li> <li>• <a href="mailto:Georg.Pueschel1@mailbox.tu-dresden.de">Georg.Pueschel1@mailbox.tu-dresden.de</a></li> </ul>
<b>2<sup>nd</sup> Seminar Day</b> <div style="text-align: center;"><b>9</b></div>	<b>Friday, July 10, 2015: 09:00 – 13:00</b> <b>Room INF 2101</b>	<ul style="list-style-type: none"> <li>• 2<sup>nd</sup> participants presentation</li> <li>• Peer discussions, Feedback on style and content</li> </ul>
Deliver final version of your paper <div style="text-align: center;"><b>10</b></div>	Latest: Friday August 7, 2015	e-mail your paper to: <ul style="list-style-type: none"> <li>• All participants</li> <li>• <a href="mailto:frank.j.furrer@bluewin.ch">frank.j.furrer@bluewin.ch</a></li> <li>• <a href="mailto:Georg.Pueschel1@mailbox.tu-dresden.de">Georg.Pueschel1@mailbox.tu-dresden.de</a></li> </ul>
pdf-volume of collected papers ready	Friday, August 28, 2015	Downloadable from the seminar website

Excellent, motivated work so far!  
I like it a lot.

Feedback from your side?

# HS 2015: Cognitive Computing



## Contact Details:

[frank.j.furrer@bluewin.ch](mailto:frank.j.furrer@bluewin.ch)

Mobile: +41 (0)79 401 48 60

Phone: +41 (0)52 740 32 28

## Postal Address:

Dr. Frank J. Furrer

Guldifuess 3

**CH-8260 Stein am Rhein**

Schweiz

Hauptseminar Website:

[http://bit.do/HS2015\\_CognitiveComputing](http://bit.do/HS2015_CognitiveComputing)