What is this seminar about?

- Contrary to popular opinion, forgetting is often good
- Human forgetting is important but complex
  - Avoids information overload
  - We can remember stuff
- Formalising forgetting is very hard
  - Forgetting is more than deleting
  - Even deleting is very hard; needs second-order logic
  - ... except that sometimes it doesn’t
  - Know $P$. Know that $P$ implies $Q$. Forget $P$. Do you know $Q$?
  - What’s relevant for $P$?
Seminar counts as one of:
- Bachelor seminar or
- Master seminar in theoretical computer science or
- Master seminar in data & information management

Your task is to:
- read paper(s) about a topic
- write and talk about it
- read and listen to the others, give feedback

These slides are available on the seminar website for future reference
www.kbsg.rwth-aachen.de/teaching/SS2016/SemFAR
Rough Outline

Five stages:

1. Understand literature; explain to advisor 5 weeks
2. Write and submit the seminar paper 8 weeks
3. Review two fellow students’ seminar papers 2 weeks
4. Prepare final seminar paper and slides 4 weeks
5. Give talk, listen to others, ask questions 6/7/8 July 2016
One or two papers assigned to each topic
Read them from top to bottom
Understand them thoroughly
Sometimes: have a look at basic or related literature
- check the bibliography of the paper(s) assigned to your topic
- ask your advisor for suggestions
- to understand the basics, or
- to compare to other approaches
- usually no need to read the complete paper, but
- be sure enough what it’s about before

What’s good / bad about the approach?
Your seminar paper should
- summarise the paper(s) assigned to your topic
- give an overview of the topic
- convey the **idea** and **intuition**
- **make the topic understandable to the other students**
- write what’s good / bad

12 pages
- in der Kürze liegt die Würze
- it’s not easy to be concise
- carefully select what you want to present

English and LaTeX mandatory

Use the template from the seminar website
Your review should
- help your fellow student to improve his seminar paper
- prove that you read it thoroughly

Typical structure
- Summary of the seminar paper (≈ 3 sentences)
- Things you liked about it (≈ 1 paragraph)
- Major comments (e.g., what’s hard to understand?)
- Minor comments (e.g., typos)

Reviewing should be **anonymous**

**Plain text** following the above structure

Do **not** annotate the seminar paper inline (no attachments)
- Read reviews
- Revise your paper accordingly
Your talk should
- convey the **idea** and **intuition**
- as well as the **major results**
- show that you know what you’re talking about

Try to offer something for everybody:
- start gently with informal examples
  - to motivate problem and sketch solution (first 40%)
- then go deeper into details (next 30%)
- conclude at a high level of abstraction (last 10%)

Tips
- motivate with an example
- keep that example to illustrate results during the talk
- avoid formulas, use example and pictures instead
- be prepared for questions (perhaps with back-up slides)
- do NOT take this slide as an example :-)

25 minutes talk + 10 minutes discussion
- do not exceed 25 minutes, practice your talk
- rule of thumb: at least 90 seconds per slide

English and PDF preferred
We use a conference system (EasyChair) for the seminar

- Seminar paper must be submitted there
- Reviews must be submitted there
- Revised seminar paper must be submitted there

- Deadlines are **firm**
- You can update your submission until the deadline
- There's no excuse for missing deadlines

www.easychair.org/conferences/?conf=semfar2016
The final grade is the weighted mean of

- the reviews you wrote (10%)
- your final paper (50%)
- your talk (40%)
Up to three weeks from now on you are allowed to recede from the seminar without any consequences. A later rescission will be graded as a failed attempt!
1. Second-Order Quantifier Elimination
2. Forgetting in Proper Knowledge Bases
3. Necessary Sufficient Conditions
4. Forgetting in Description Logics and Logic Programs
5. Forgetting Description Logics
6. Forgetting Logic Programs
7. Forgetting in Modal Logic
8. Implicit and Explicit Relevance
9. Propositional Independence
10. Logical Conditional Independence
11. Relevance in Belief Structures
12. Relevance through Letter Sharing and Belief Change
13. Reasoning under Inconsistency
2015-03-22: Introductory meeting

2016-03-22: Get an EasyChair\(^5\) account, download paper(s)

2016-04-15: Discuss literature with your supervisor\(^6\) 4 weeks

2016-05-27: Paper submission deadline\(^7\) 6 weeks

2016-06-10: Review deadline\(^8\) 2 weeks

2016-07-01: Paper camera-ready version\(^9\) 3 weeks

2016-07-06/07/08: Seminar talks 1–3 days

Keep the deadlines:
You can *update* your submission at EasyChair!

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\(^5\) [www.easychair.org/conferences/?conf=semfar2016](http://www.easychair.org/conferences/?conf=semfar2016)

\(^6\) That’s the only deadline that’s not firm. It’s more of a recommendation.

\(^7\) By this date you *must* have submitted

\(^8\) By this date you *must* have written and submitted your reviews

\(^9\) By this date you *must* have submitted your final seminar paper