



Seminar Overview

Eduardo Figueiredo

<http://www.dcc.ufmg.br/~figueiredo>
figueiredo@dcc.ufmg.br

18 August 2023

Structure of Classes

- Paper discussion
 - 30 min (9:30-10:00): stand-up meeting
 - 60 min (10:00-11:00): discussion (6 hats)
- Oral presentation of research work
 - 30 min (9:30-10:00): stand-up meeting
 - 30 min (10:00-10:30): presentation 1
 - 30 min (10:30-11:00): presentation 2

[Stand-up Meeting]

- Each participant briefly talks about the status of their research by answering
 1. What I did since our last meeting?
 2. What I plan to do until our next meeting?
- Today, let's introduce ourselves and talk about our research interest
 - MSc or PhD? Semester? Supervisor?
 - What is your research about?



About the Course

[Course Website]

- All course information (agenda, grades, papers, presentations, etc.) are available in my website
 - <http://www.dcc.ufmg.br/~figueiredo>
 - Link “Teaching”
-> “Paper Reading and Discussion”
- Direct link:
<https://homepages.dcc.ufmg.br/~figueiredo/disciplinas/2023b/papers.htm>

[Assessment Criteria]

- Paper discussion: 40 points
- Oral presentation: 30 points
- Feedback form: 30 points

[Paper Discussion]

- We focus on discussing high-quality software engineering research papers
- Suggestions are welcome based on the following criteria
 - Recently published paper (last 5 years)
 - Full research paper (more than 8 pages)
 - Premier conference (ICSE, FSE, ASE)
- The flow of discussion is inspired by the “6 Thinking Hats” [Bono]

Six Thinking Hats

- Focusing on a variety of perspectives, but in a clear, conflict-free way
 - Blue Hat: "the Conductor's Hat"
 - White Hat: "the Factual Hat"
 - Red Hat: "the Hat for the Heart"
 - Yellow Hat: "the Optimist's Hat"
 - Black Hat: "the Judge's Hat"
 - Green Hat: "the Creative Hat"



[Our Script for the 6 Hats]



[Oral Presentation]

- Each student has to present their own research work in 15 to 20 minutes
 - If the student has no personal research, they may present a literature paper
- Presentations are scheduled according to the course agenda
 - Deadline for choosing a date: 25/08
 - Changes are allowed if two students agree to swap dates between them

Current Presentation Agenda

- 01/09: Rubio
- 01/09: Henrique
- 22/09: Euler
- 22/09: João Paulo
- 22/09*: Saymon
- 27/10: Guilherme
- 27/10: Altino
- 27/10*: Abel
- 17/11: Bruna
- 17/11: Jefferson
- 17/11*: Felipe
- 01/12: Amanda
- 01/12: Cleberson
- 01/12*: Pedro
- 15/12: Arthur
- 15/12: Nathan

* 3rd presentation because we do not have classes in 29/09 and 06/10.

[Topics for Presentation]

- Research presentations typically cover the following topics
 - Motivation / Problem Statement
 - Background / Key Definitions / Context
 - Research Proposal / **Study Design**
 - Solution / Contributions / **Results**
 - Limitations / **Threats to Validity**
 - Related Work
 - Conclusion

in case of empirical work

[Tips for Title and Text]

- Use unique titles and numbers in all slides
 - They help in the discussion phase
- Avoid slides with too much text
 - 3 to 6 bullets with a few words are enough
- Make sure all text, images and tables are visible
 - I recommend font size larger than 20 points

[Feedback Form]

- All students should provide feedback to the presenter about the research work and the oral presentation
- Students must hand it to the professor by the end of the class
 - Late deliveries are subject to 50% penalty

[Questions in the Form]

1. Summarize the talk's key message in one sentence
2. Name one thing you learned from this talk
3. Name one thing worked especially well in this presentation
4. Suggest one specific change how the presenter can improve her/his presentation
5. Please provide additional feedback, including suggestions for further readings and tools

[Missed a Class?]

- What happens if I miss a class? Do I have a second chance?
 - I did not participate in paper discussions
 - I did not present my research work
 - I did not deliver feedback forms
- Prepare yourself for a very exceptional exam (a.k.a., very hard exam)

[Exceptional Exam (*optional*)]

- In very special cases, students may opt for the exceptional exam to replace
 - all paper discussions (40 points) or
 - the oral presentation (30 points) or
 - all feedback forms (30 points)
- The exceptional exam is scheduled to December 16th (Saturday) at 9:25 h
 - You have to request it at least one week earlier (until December 9th)

[Next Class (25/08)]

- Discussion of the following paper
 - K. Newman, M. Endres, B. Johnson, W. Weimer. **From Organizations to Individuals: Psychoactive Substance Use By Professional Programmers.** ICSE, 2023.
- How to prepare yourself for the discussion
 - Read the paper in advance
 - Identify the hat's perspectives: facts, strengths, drawbacks, etc.