

EE4109: Agenda last lecture (14)

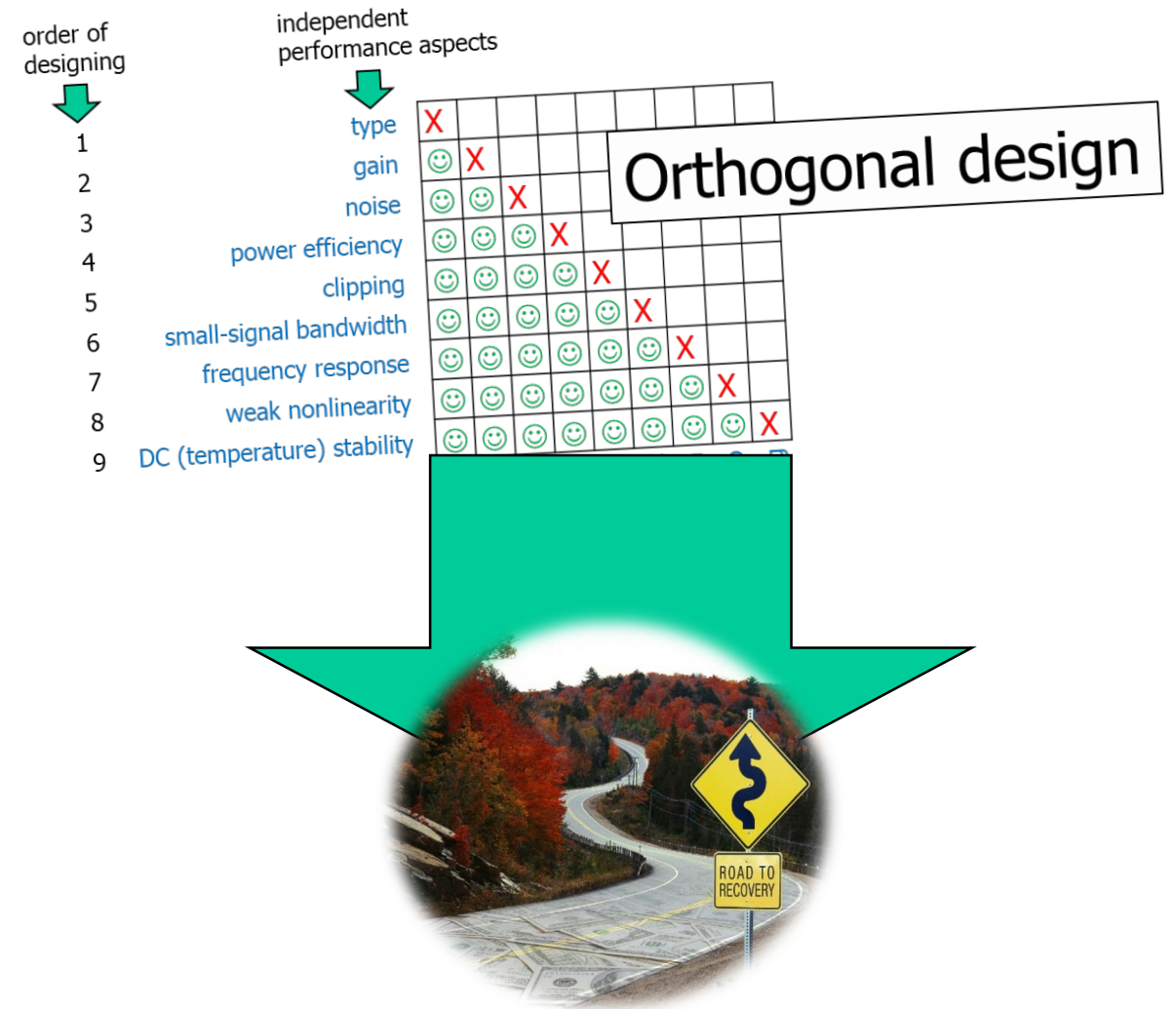
1. The exam

2. The active antenna design

Discussion of different topologies

Bandwidth limitation to mitigate EMI

3. Q&A



Oral exam by appointment, no deadline (in principle..)

1. Hand in before the exam your updated and well documented SLiCAP HTML files of the design
2. During the exam (where you bring your laptop with the SLiCAP and LTSpice files):
 - Motivate the design choices
 - Explain performance
 - Discuss “What ifs”(Basically, you show you really understand every detail of the design and achieved the learning goals of this course)

To get a grade and the extra credits for the Masterclass (3EC) ET8011MSC:
create a ***complete design*** with ***at least one original contribution***

(e.g. with: alternative stage(s), alternative amplifier configuration, alternative frequency compensation)

that meets the specifications under typical conditions and **defend this** during the exam

Written exam 21-1-2020 (open book)

A summary of the SLiCAP documentation of the design made by Anton will be handed out

Questions can be about:

- Motivation of design choices
- Design considerations
- “What if?”
- Proposal for an alternative topology, stage, etc.
- Measures to improve/change performance of cost factors
- (you will not need a laptop for simulations, but you are allowed to bring your laptop and **use it in flight mode**)