



**2E1366 PROJEKTURS I SIGNALBEHANDLING OCH DIGITAL KOMMUNIKATION
"ERROR CONCEALMENT FOR SPEECH LOSSES IN TV TRANSMISSIONS"**

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1 Current work

- a) We have refined the solution by using subband to estimate the background noise. It has been implemented and tested but the result is not as good as we wanted. Despite this we have good expectation that the method will improve our result.
- b) Last weeks problem with the DSP is solved. The problem was that the AR-parameters and PN-sequence came from a sound sequence with a sample frequency of 16000 Hz and the DSP use a sample frequency of 8000 Hz.
The computer that contains the DSP has been upgraded from Windows 95 to Windows 98 duo to memory conflict. A DOS program is also being developed so that the DSP can be started from the DOS-prompt.
- c) The document of the detection theory is basically done but needs to be proofread and maybe completed

2 Deviation from project plan

We are not any more ahead the plan because of the new estimation method.

2.1 Measures taken

We try to improve our work.

2.2 Suggestion on solution

We will implement the new solution and then we will be right back on track.

3 Preceding work

- The DSP should be able to read the AR-parameters as well as the PN-sequence from a file. It should also be able to up- and down sample sound sequences. For the purpose of demonstration the DSP has to be able to amplify the beep so that it can be heard properly.
- The Matlab functions will have to be updated duo to the new solution with the subband estimation. We will also design a quantization-function in Matlab that can quantizate an arbitrary number of bits. The AR- and PN-libraries needs to be complemented so that the PN sequence matches the AR parameters

4 Appendix

- Time-plan
- Resource-plan