

# **80558 MULTIRATE SIGNAL PROCESSING**

## **Part V: Multirate Filter Banks**

**The organization of this material has changed due to the following hand book chapter:**

T. Saramäki and R. Bregovic', "Multirate Systems and Filter Banks," Chapter II in *Multirate Systems: Design & Applications*, edited by Gordana Jovanovic-Dolecek, Ideal Group Publishing, 2002, pp. 27–85.

- The organization in the homepage of the lecturer is the following:
- First, this message, called "How to read Part V?".
- Second, Part V1 and Part V2 with the running page numbers, that is Part V1 ends with a page number and Part V2 starts with the following number.
- Third, Part V3 about Cosine-Modulated Filter Banks starts with the page number 1.
- Fourth, Part V4 is our version of the above-mentioned book chapter. Please concentrate only (for the examination) on cosine-modulated and MDFT filter banks, that is, read Part V3 together with this additional information. If you like, you can, of course, read the overall material. For example, the book chapter includes more information on two-channel FIR and IIR filter banks.
- Dream: In the future, a compact single file, but but it needs time. Good luck for the exam!!