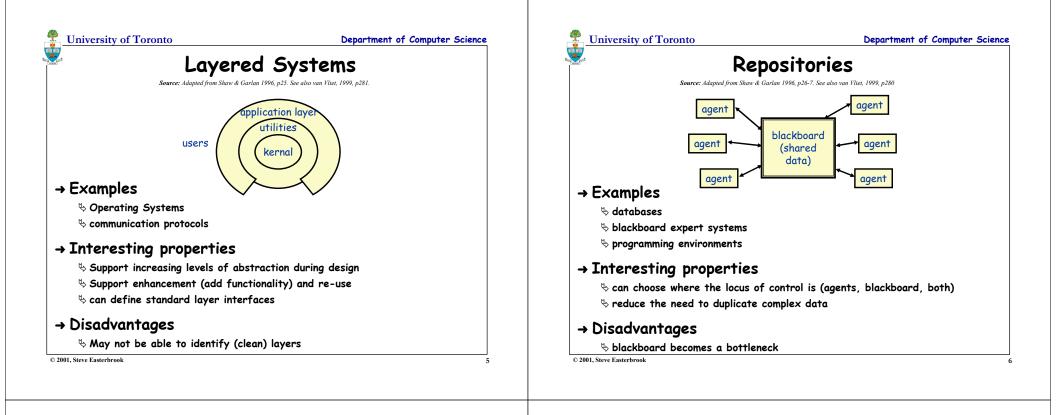
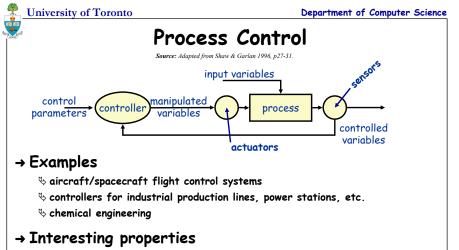


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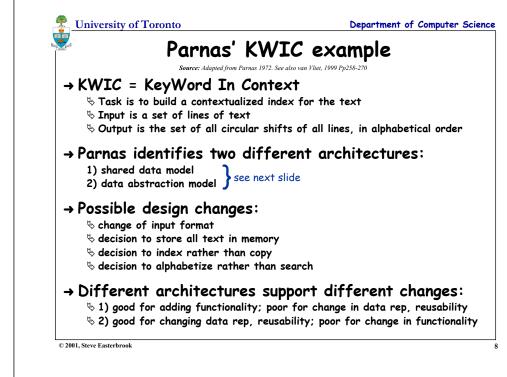


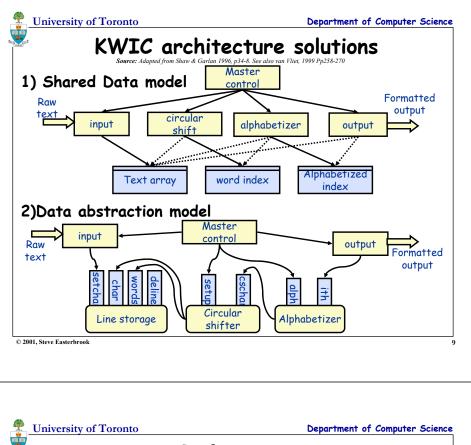


## → Disadvantages

& Difficult to specify the timing characteristics and response to disturbances

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## References

van Vliet, H. "Software Engineering: Principles and Practice (2nd Edition)" Wiley, 1999.

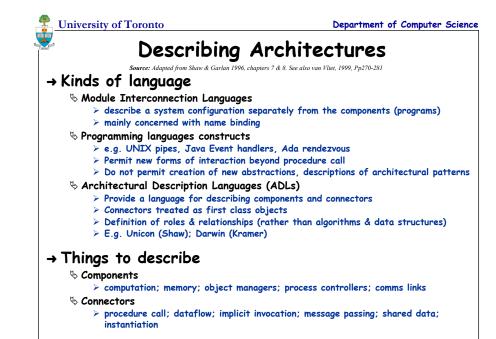
chapter 10 provides an excellent introduction to software architectures. van Vliet uses Parnas' KWIC example to motivate the entire chapter, and then covers the work of Shaw and Garlan quite thoroughly. Reading this chapter will save you having to refer to the originals, which are:

Shaw, M. and Garlan, D. "Software Architecture: Perspectives on an emerging discipline", 1996, Prentice Hall.

This book defined the field of software architecture. Most of this lecture is adapted from this book.

Parnas, D. L. "On the Criteria to be used in Decomposing Systems into Modules". 1972, Communications of the ACM, Vol 15, No 12

This paper, although dated, was the first to describe how the choice of software architecture affects modifiability. The KWIC example comes from this paper.



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