

TDTS07 and TDDI08: Reading suggestions

[Marwedel] P. Marwedel, "Embedded Systems Design," 4th edition, Springer 2021

[Lee] E. A. Lee and S. A. Seshia, "Introduction to Embedded Systems, A Cyber-Physical Systems Approach," 2nd edition, MIT Press, 2017

Lecture 1: Introduction

Marwedel: 1-27

Lee: 1-15

Lecture 2: Models of computation

Marwedel: 29-46,

Lee: 41-46

Lecture 3: Dataflow models

Marwedel: 68-74

Lee: 142-154

Lecture 4: Petri nets

Marwedel: 76-87

Lee: 155

Lecture 5: Synchronous FSMs and synchronous languages

Marwedel: 51-67

Lee: 47-69, 103-124, 132-141

Lecture 6: Timed and hybrid automata

Marwedel: 49-51

Lee: 80-84

Lecture 7: Architectures and platforms

Marwedel: 142-168

Lee: 203-228

Lecture 8: Real-time embedded systems

Marwedel: 176-179, 207-227, 244-250, 295-319

Lee: 309-334

Lecture 9: System-level power/energy optimization

Marwedel: 373-377

Lee: -