TDDD55 Compilers & Interpreters TDDB44 Compiler Construction

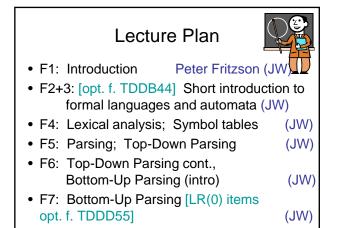
2013

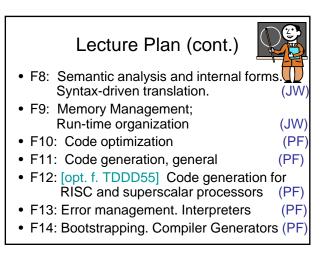
Organizational Issues

Peter Fritzson, IDA

Staff 2013

- Peter Fritzson (PF), Examiner, Course leader, Lecturer
- Jonas Wallgren (JW), Lecturer
- Kristian Stavåker, Course assistant TDDD55 and TDDB44; Lab/tutorial assistant TDDB44
- Sergio Raffilio, Lab assistant TDDB44
- Kristian Stavåker, Lab/tutorial assistant TDDD55
- Liselotte Lundberg, Course secretary
- Patrick Lambrix, Director of studies

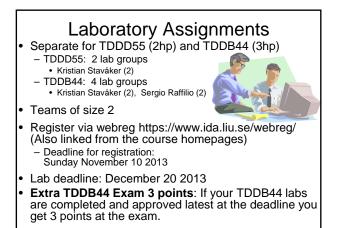




Lessons/Tutorials

4 for TDDD55, by Kristian Stavåker 4 for TDDB44, by Kristian Stavåker

- Exercises on background theory (TDDD55)
- Preparation for the laboratory assignments
- Exam preparation session



Literature

Mandatory:

- Aho, Lam, Sethi, Ullman: Compilers Principles, Techniques, and Tools, Second Edition. Addison-Wesley, 2006. (Also as paperback, 2007)
- Or the old, first edition (still ok) Aho, Sethi, Ullman: ..., 1986.

Mandatory for TDDB44:

Compiler Construction Lab Assignments, Kompendium, 2012, Bokakademin

Optional:

- P. Fritzson: TDDB44 Compiler Construction Lecture Notes, 2013, and other lecture notes, are on the course home page.
- Compiler Construction Exercises, Kompendium

For more information ...

See the course homepages,

- www.ida.liu.se/~TDDD55
- www.ida.liu.se/~TDDB44
- Schedule
- · Reading directions
- References to additional literature
- Laboratory instructions for TDDD55 - (but the lab skeletons are in /home/TDDD55)

What comes after this course?

- Join our compiler research team at PELAB and do a *master thesis project* in compiler technology! ٠
 - Compiling for OO modeling languages (P. Fritzson)
 - Operational semantics based compiler generation (P. Fritzson) Compiler bootstrapping, Java code gen, international open source www.openmodelica.org (P. Fritzson) OO modeling language compilation on parallel machines (P. Fritzson) _

 - Compilation & parallel programming on industry clusters (P. Fritzson)
 - Compiling for parallel / embedded systems (P. Fritzson, C. Kessler) Code generation for embedded systems (C. Kessler) _
 - Debugger technology (P. Fritzson) _
 - ... and more!



Compilers

Compiler