

Generic Language Technology (2IS15)

Prof.dr. Mark van den Brand



TU/e Technische Universiteit
Eindhoven
University of Technology

Where innovation starts

Practical issues

- **Lecturer:**
 - Prof.dr. Mark van den Brand
 - Expertise group:
 - Software Engineering and Technology
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Organisation

- **Course information:**
 - <http://www.win.tue.nl/~mvdbrand/courses/GLT/0910/>
- **Material:**
 - **Book:**
Programming Language Design Concepts by D.A. Watt
 - Slides
 - Papers
 - **Tool: ASF+SDF Meta-Environment** (see <http://www.asfsdf.org>)

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Organisation

- **Practical exercises:**
 - Work in pairs (Linux and non-Linux expert)
 - Questions and feedback on exercises
 - by Marcel van Amstel (m.f.v.amstel@tue.nl)
 - and Luc Engelen (l.j.p.engelen@tue.nl)
 - Hand-in every 2 or 3 weeks
 - 6 exercises in total
 - First exercise will be distributed next Tuesday (8th of September 2009)
 - Hand-in via Peach³ (<http://peach.win.tue.nl/3/>)

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Organisation

- **Quarter 1 (01-09-2009 – 23-10-2009):**
 - **2 * 2 hours lectures:**
 - **Tuesday:**
 - Time: 7th and 8th hour (15:45-17:30)
 - Location: Auditorium 7
 - **Friday:**
 - Time: 7th and 8th hour (15:45-17:30)
 - Location: Auditorium 7
 - **No lectures on 11-09-2009 , 06-10-2009 and 23-10-2009**
 - **Topics:**
 - Introduction generic language technology
 - Introduction ASF+SDF
 - Introduction meta-modeling

Organisation

- **Quarter 2 (10-11-2009 – 12-01-2010)**
 - **2 hours lecture:**
 - **Tuesday:**
 - Time: 7th and 8th hour (15:45-17:30)
 - Location: Auditorium 7
 - **Topics:**
 - Language design and aspects of (programming) languages
 - Underlying generic language technologies
 - Scanning
 - Parsing
 - Rewriting

Questions for you

- **Where did you do your bachelor:**
 - TU/e
 - Manipal
 - HBO
 - other university?
- **Who is familiar, as a user not a developer, with Linux (Ubuntu, Fedora, Suse, etc.)?**
- **Who has background knowledge on compilers?**
- **Who is familiar with regular and context-free grammars?**
- **Who is familiar with term rewriting?**
- **Who knows what a scanner and parser is?**
- **Who knows the term meta-models?**

Questions for me?