

# Generic Language Technology (2IS15)

Prof.dr. Mark van den Brand



Technische Universiteit Eindhoven  
University of Technology

Where innovation starts

## Practical issues

- **Lecturer:**
  - Prof.dr. Mark van den Brand
- **Expertise group:**
  - Software Engineering and Technology
- **How to reach me:**
  - Room: HG 5.59
  - Phone: 2744
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## Organisation

- **Course information:**
  - <http://www.win.tue.nl/~mvdbrand/courses/glt/0809/>
- **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
    - on Tuesday
    - from 15:30 to 17:00
    - on fifth floor in the coffee corner near room HG5.59
    - by Marcel van Amstel and Zvezdan Protic
  - Hand-in every 2 weeks
  - 7 exercises in total
  - Hand-in via Peach<sup>3</sup>

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## Organisation

- **Block A:**
  - 2 \* 2 hours lectures:
    - Tuesday:
      - Time: 5<sup>th</sup> and 6<sup>th</sup> hour (13:30-15:15)
      - Location: Helix Oost 3.91
    - Friday:
      - Time: 7<sup>th</sup> and 8<sup>th</sup> hour (15:30-17:15)
      - Location: Matrix 1.46
  - Topics:
    - Introduction generic language technology
    - Introduction ASF+SDF

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## Organisation

- **Block B:**
  - 2 hours lecture:
    - Tuesday:
      - Time: 5<sup>th</sup> and 6<sup>th</sup> hour (13:30-15:15)
      - Location: Helix Oost 3.91
  - Topic: language design and aspects of (programming) languages
- **Block C:**
  - 2 hours lecture:
    - Tuesday:
      - Time: 5<sup>th</sup> and 6<sup>th</sup> hour (13:30-15:15)
      - Location: Helix Oost 3.91
  - Topic: underlying generic language technologies
    - Scanning
    - Parsing
    - Rewriting

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## 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 knows what a scanner is?
- Who knows what a parser is?

## Questions for me?