|                    | Part I                        |   |
|--------------------|-------------------------------|---|
|                    | <b>Organizational Matters</b> |   |
|                    |                               |   |
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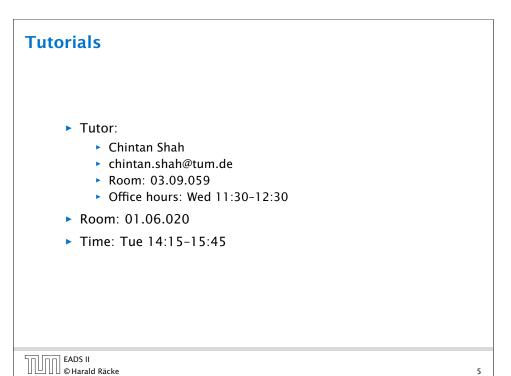
| The Lecturer                                        |  |
|-----------------------------------------------------|--|
|                                                     |  |
|                                                     |  |
| Harald Räcke                                        |  |
| Email: raecke@in.tum.de                             |  |
| Room: 03.09.044                                     |  |
| <ul> <li>Office hours: (per appointment)</li> </ul> |  |
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## Part I

## **Organizational Matters**

- Modul: IN2004
- > Name: "Efficient Algorithms and Data Structures II" "Effiziente Algorithmen und Datenstrukturen II"
- ► ECTS: 8 Credit points
- Lectures:
  - 4 SWS Mon 10:15-11:45 (Room 00.04.011, HS2) Thu 10:15-11:45 (Room 00.06.011, HS3)
- Webpage: http://www14.in.tum.de/lehre/2013SS/ea/

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## Assessment

- In order to pass the module you need to pass an exam.
- Exam:

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- 3 hours
- Date will be announced shortly.
- > There are no resources allowed, apart from a hand-written piece of paper (A4).
- Answers should be given in English, but German is also accepted.

| 1 Contents                       |  |  |
|----------------------------------|--|--|
|                                  |  |  |
| Part 1: Linear Programming       |  |  |
| Part 2: Approximation Algorithms |  |  |
| rait 2. Approximation Aigorithms |  |  |
|                                  |  |  |
|                                  |  |  |

- Assignment Sheets:
  - An assignment sheet is usually made available on Wednesday on the module webpage.
  - Solutions have to be handed in in the following week before the lecture on Thursday.
  - You can hand in your solutions by putting them in the right folder in front of room 03.09.052.
  - Solutions have to be given in English.
  - Solutions will be discussed in the subsequent tutorial on Tuesday.
  - The first one will be out on Wednesday, 24 April.

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| 2 Literatur                                                                                                                                            |   |
|--------------------------------------------------------------------------------------------------------------------------------------------------------|---|
| <ul> <li>V. Chvatal:<br/><i>Linear Programming</i>,<br/>Freeman, 1983     </li> <li>R. Seidel:<br/><i>Skript Optimierung</i>, 1996     </li> </ul>     |   |
| <ul> <li>D. Bertsimas and J.N. Tsitsiklis:<br/>Introduction to Linear Optimization,<br/>Athena Scientific, 1997</li> <li>Vijay V. Vazirani:</li> </ul> |   |
| Approximation Algorithms,<br>Springer 2001                                                                                                             |   |
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