

Automatic Planning

Jörg Hoffmann

University of Innsbruck
DERI

Masterstudium Informatik Vertiefungsmodul (WM 9)

Automatic Planning Language

- ▶ Material (slides) will be in English
- ▶ I will speak English because
 - ▶ If I try German what you get is Denglisch anyway
 - ▶ Sooner or later you'll have to use English anyway
 - ▶ Adina does not speak German
- ▶ Feel free to ask questions in German!

Automatic Planning

Today ...

... we'll have an easy job:

- ▶ Organization
 - ▶ Slides, exercises, etc.
- ▶ Introduction
 - ▶ What is AI Planning?
 - ▶ High-level problem definition
 - ▶ Some examples
 - ▶ VL overview

Automatic Planning

0. Organization

- ▶ **Who, Where, When**
- ▶ Exercises
- ▶ Exam
- ▶ Slides, Literature

Who, Where, When

- ▶ VL takes place Wednesdays, 12:00-13:30 SR 12
- ▶ It'll be 40 min, 5 min break, 35 min, 10 min break – ok?
- ▶ If you want to contact me, Google for “Joerg Hoffmann” and I'm top of the list :-)
- ▶ My background:
 - ▶ PhD in 2002 in Freiburg, Germany
 - ▶ Located in Innsbruck since September 2006
 - ▶ “Located” in a non-geographical sense: Köln, Saarbrücken, Innsbruck, Hyderabad, Goa, Innsbruck, Saarbrücken, Freiburg, Saarbrücken, Innsbruck, Saarbrücken, Innsbruck, Saarbrücken, Milton Keynes, Saarbrücken, Innsbruck, Saarbrücken, Innsbruck, Saarbrücken, Amalfi, Saarbrücken, Innsbruck, Saarbrücken, Liege, Saarbrücken, Innsbruck, Zürich, Saarbrücken, Innsbruck, Saarbrücken, Galway, Saarbrücken, Innsbruck, Saarbrücken, Innsbruck, Saarbrücken, Berlin, Saarbrücken, Innsbruck, Vancouver, Saarbrücken, Innsbruck, Saarbrücken, Paris, Saarbrücken, Innsbruck, Saarbrücken, Galway, Saarbrücken, Osnabrück, Wien, Saarbrücken, Innsbruck, Saarbrücken, Providence, Saarbrücken, München, Innsbruck, ...

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0. Organization

- ▶ Who, Where, When
- ▶ **Exercises**
- ▶ Exam
- ▶ Slides, Literature

- ▶ Every week, Adina and I think up some questions and hand them out to you on Wednesday x
- ▶ You submit individual solutions, we correct them, and return them to you
 - ▶ Scheme (A): submit $x + 6$ (Tuesday), return $x + 7$
 - ▶ Scheme (B): submit $x + 7$, return $x + 14$
- ▶ The exercises will be **tutored** on day of return
- ▶ Tutorials: Adina, Wednesday 13:30-14:00
- ▶ First day x : October 10
- ▶ Around 10 exercises, 10 points each

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- ▶ Who, Where, When
- ▶ Exercises
- ▶ **Exam**
- ▶ Slides, Literature

- ▶ Tentatively scheduled for January 23, 12:00-14:00
- ▶ I.e., last Wednesday of the term, at the usual time
- ▶ Another 100+ points
- ▶ **Grades based on your share of the 200+ possible points**

- ▶ You have to register for the VL by **October 17** (write-in onto a list I will hand around)

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0. Organization

- ▶ Who, Where, When
- ▶ Exercises
- ▶ Exam
- ▶ **Slides, Literature**

- ▶ I do the slides as .pdf files . . .
- ▶ . . . which you can download from

<http://www.deri.at/teaching/courses/ws200708/details/automatic-planning/>

- ▶ I'll make them available by Tuesday evenings
- ▶ **Print them yourself**
- ▶ I will do most examples and proof sketches on the blackboard – they're *not* described on the slides!

- ▶ I'll give pointers to conference/journal papers
- ▶ You don't need to read them to follow the lecture
- ▶ The lecture does not follow a book
- ▶ I have made an effort to provide a new and much better structured summary of the last 10 years
- ▶ A look into Russel&Norvig and/or Ghallab&Nau&Traverso ("Automated Planning: Theory and Practice") can't hurt

This is a small lecture. It should be possible to make it interactive.

- ▶ More enjoyable for me
- ▶ More enjoyable for you also?

Please don't be shy to ask “stupid” questions!