

# TU Wien Informatics Doctoral School

Information Event  
Oct 2, 2025

*Andreas Steininger*





common roof formed by  
**TU Wien Informatics Doctoral School**

different ways of funding a doctoral degree at our faculty

**Doctoral Colleges**

**Teaching Assistants**

**Research Assistants**

**Self-Funded PhDs**

...

*different areas, different institutes, different supervisors, ...*

but the same curriculum, process, evaluation criteria apply to every doctoral student

the Doctoral School is not a secluded club –  
every doctoral student is considered member of our Doctoral School

currently ~400

- ✓ Excellent Supervision
- Well-thought Dissertation Process
- Quality Assurance
- Structured Curriculum
- Top-class Guest Professors
- Information & Support of Students
- Teambuilding & Socializing



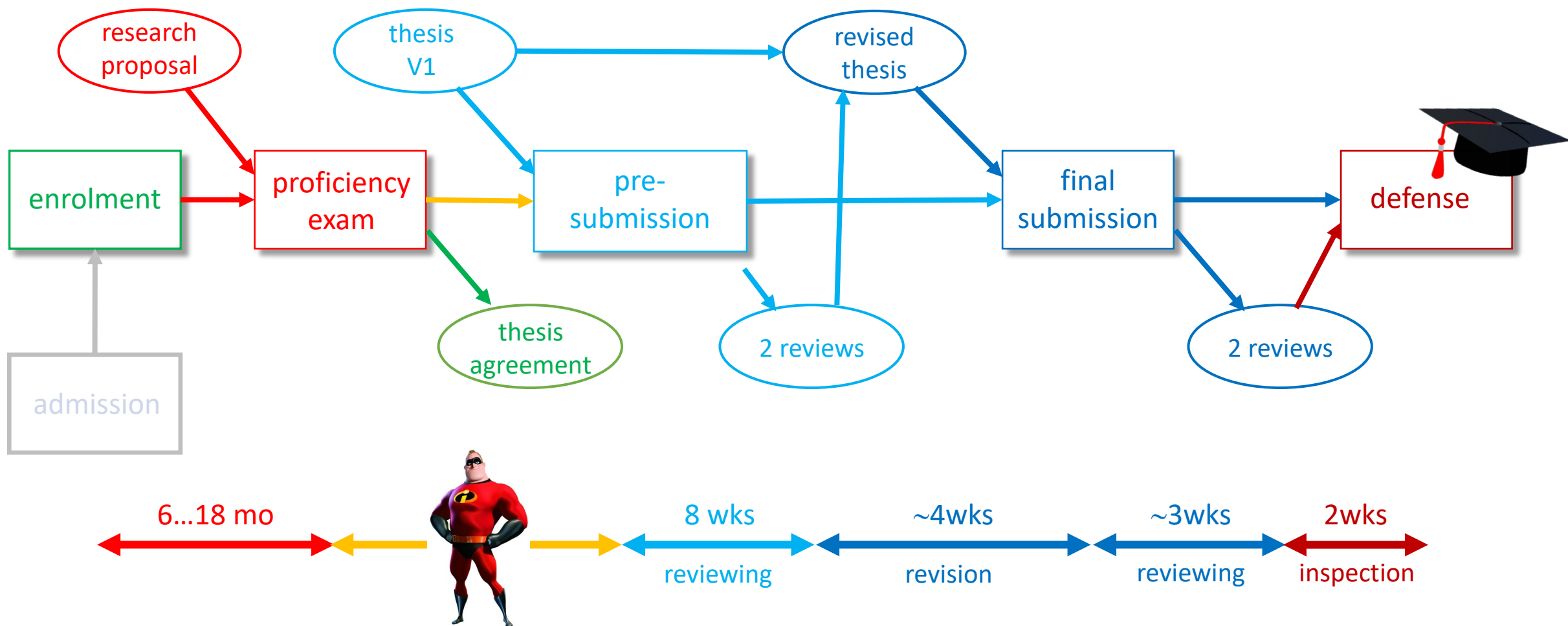
### ➤ **Mission:**

- ✓ ...to provide you with an environment that encourages you to contribute to technology advancement through systematic, yet creative research. Our program enables you to become an independent researcher capable of generating, pursuing, and communicating novel research ideas. To achieve this, you will be involved in research activities as soon as possible.

### ➤ **Services** (in tight cooperation with the Deans of Academic Affairs & Dean's Office):

- ✓ maintain unified interface inside and to the outside (webpage, Q&A)
- ✓ implement the basic curriculum (mandatory lectures)
- ✓ organize guest lectures (selection, invitation, operation...)
- ✓ organize special courses in house (Current Trends in CS, Proposal Writing)
- ✓ stimulate teambuilding (social events)
- ✓ keep contact to doctoral students, provide aid (relay info, give pointers when problems)
- ✓ inform (events), coordinate, provide facts & figures

# The Path to the Doctoral Degree



## research proposal (~10p) & presentation (30')

- ✓ outline the research challenge you want to address
- ✓ put in context with related work (>10 ref's)
- ✓ outline envisioned methodology
- ✓ sketch the expected output
- ✓ give a time table including publications
- ✓ present a plan for your 18 ECTS coursework

*Is the topic scientifically challenging?*

*Is the candidate proficient in the field?*

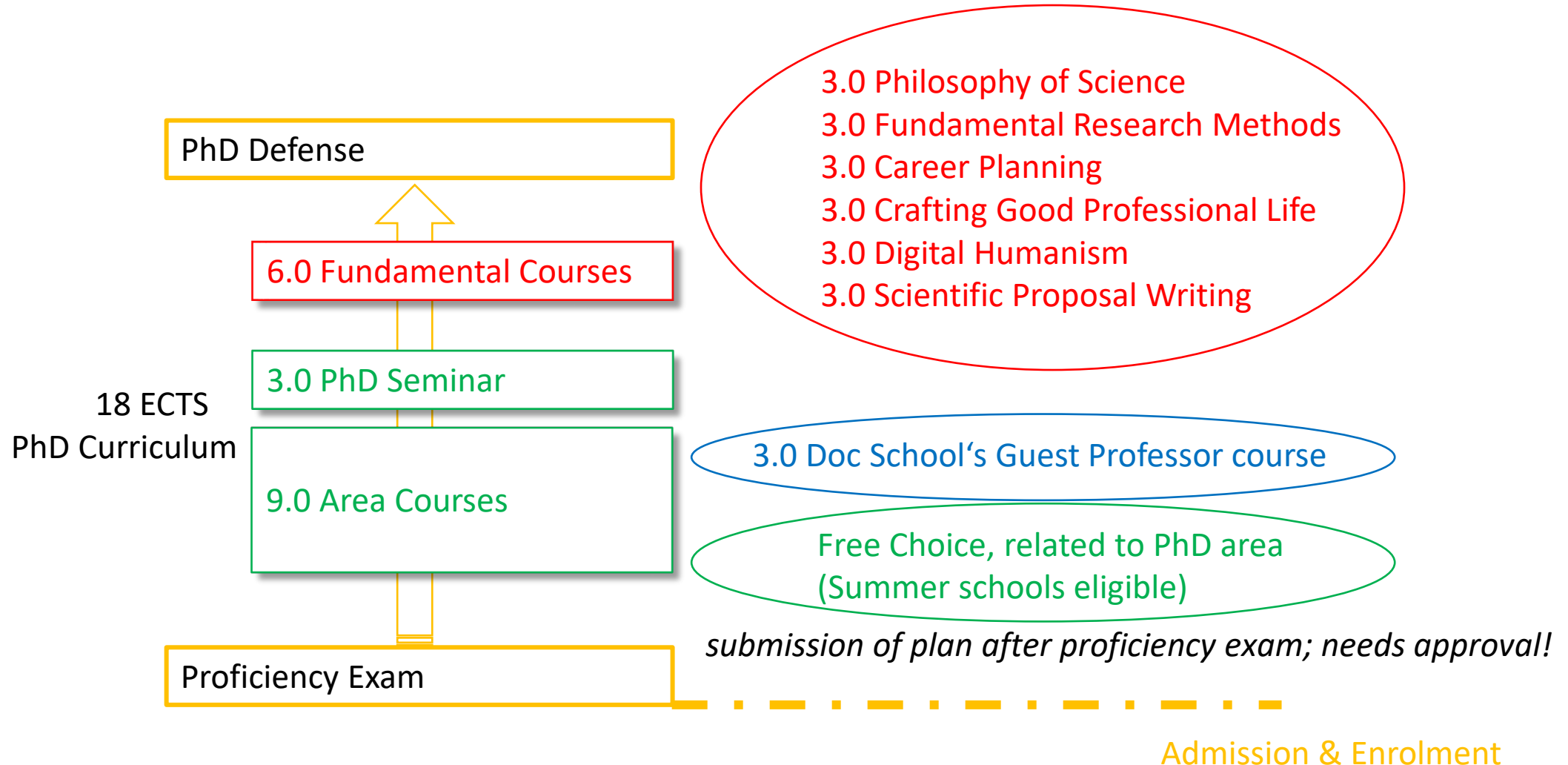
*Is the methodology appropriate?*

*Is the thesis doable?*

*Does the candidate know the relevant venues?*

*Does the plan align with the rules,  
does it make sense?*

- ✓ early feedback & transparency through proficiency exam
- ✓ extra guidance by PE members: National Expert & Chair
- ✓ extra certainty through clear commitments in thesis agreement
- ✓ grading of thesis by 2 independent experts
- ✓ possibility for thesis revision
- ✓ thesis & reviews open for inspection by faculty





As a reminder: In total minimum 18 ECTS required

- **fundamental courses**

- Philosophy of Science (M)
  - Research & Career Planning for Doctoral Students (M)
  - Fundamental Research Methods for Doctoral Students (M)
  - Crafting Good Professional Life
  - Digital Humanism
  - Scientific Proposal Writing
- min 6 ECTS, min 1 methodology*

- **area courses**

- PhD seminar, 3 ECTS
  - visiting professor courses, min 3 ECTS
  - own choice of courses related to research area
- min 12 ECTS, at most 6 ECTS seminar or PV*

*submission of plan after proficiency exam; need approval!*



- Information of the Dean's Office about Doctoral Study Process  
<https://informatics.tuwien.ac.at/study-services/doctoral-graduation/>
- Webpage of the TU Wien Informatics Doctoral School  
<https://informatics.tuwien.ac.at/doctoral/>
- Standard Procedure for Doctoral Program at the Faculty of Informatics  
<https://informatics.tuwien.ac.at/doctoral/procedure/>
- **Registration to Doctoral School news:**  
<https://inn.tuwien.ac.at/social-events/doctoralstudents>
- Admission Office  
<https://www.tuwien.at/en/studies/admission/admission-to-a-doctoral-programme>
- TUW DOC School's Mentorship Program  
<https://www.tuwien.at/en/research/tuw-doctoral-center/p2p-doc-mentorship-program>
- Fachschaft Doktorat  
<https://fsdr.at/>
- TU Wien – Student Support  
<https://www.tuwien.at/en/studies/student-support>
- **Psychosocial Counselling**  
<https://www.tuwien.at/en/studies/student-support/psychological-counselling-and-mental-health>
- **Ombuds Office for Academic Affairs**  
<https://www.tuwien.at/en/studies/student-support/ombuds-office-for-academic-affairs>

TISS

Lehre

Lehrangebot

Lehrveranstaltungen

Studienangebot

Abschlussarbeiten

Studienbewerbung

Mobility Services

roomTUlearn

Raumverwaltung

Belegungsplan

Unterstützungsangebote für Studierende

English

Hilfe

Login

TU Wien Informatics Doctoral School

Strukturansicht | Semesteransicht

2025W-2026S (2011U)

2025W | Studienjahr anzeigen

Titel	Anm.Bed.	Stunden	ECTS
TU Wien Informatics Doctoral School			
Fundamental Courses			20.0
VU Philosophy of Science			3.0
195.080 VU 2025W Philosophy of Science		2.0	3.0
VU Innovation			3.0
VU Research Methods in Computer Science			3.0
VU Fundamental research methods for doctoral students		2.0	3.0
SE Research and Career Planning for Doctoral Students		2.0	3.0
VU Research and Career Planning for Doctoral Students		2.0	3.0
VU Being a Researcher		2.0	3.0
VU From surviving to thriving: crafting your good professional life		2.0	3.0
199.096 VU 2025W From surviving to thriving: crafting your good professional life		2.0	3.0
Area Courses			21.0
VU PhD Primary Area Computer Engineering Introduction			3.0
VU Foundations of Data and Knowledge Systems			3.0
VU Introduction to Media Informatics and Visual Computing at VUT			3.0
VO Foundations of Business Informatics			3.0
VU Advanced Topics in Service-oriented and Cloud Computing		2.0	3.0
VU Model Checking		2.0	3.0
VU Discrete Mathematics and Probability			3.0
VU Formal Methods			3.0
VU Linear Algebra			3.0
VU Algorithms			3.0
VU Shape from function methods			3.0

LEHRE

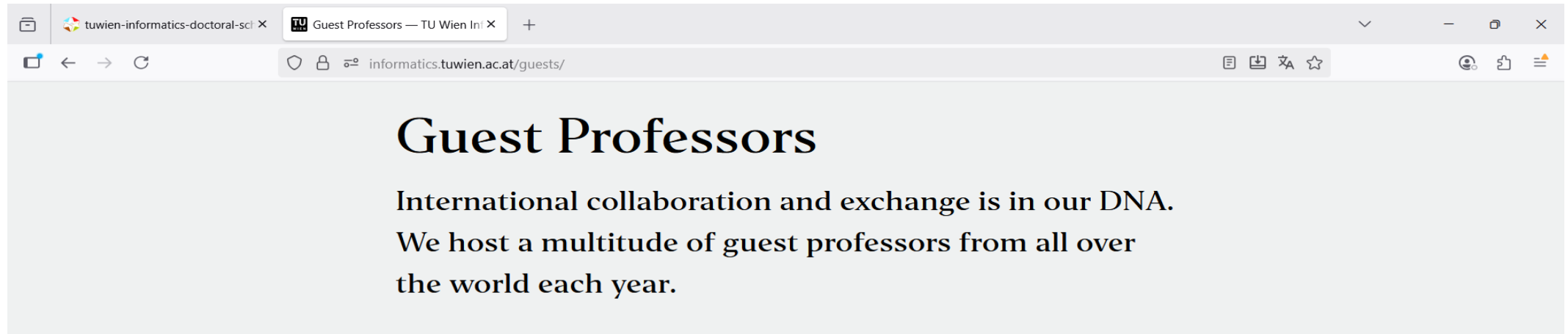
FORSCHUNG

ORGANISATION

Suche

DEU DE

09:13  
02.10.2025



**Courses and public lectures** held by our guest professors in: [2025](#) / [2024](#) / [2023](#) / [2022](#)

2026



**Alessandro Abate**  
University of Oxford  
UK



**Nikolaj Børner**  
Microsoft Research  
USA



**Manfred Droste**  
Leipzig University  
Germany



**Jan Drugowitsch**  
Harvard University  
USA



**Danh Le-Phuoc**  
TU Berlin  
Germany



**Matti Tedre**  
Stockholm University  
Finland

- **199.030 Advanced Topics in Verification and Synthesis for AI-Enabled Cyber-Physical Systems**

Lecturer: Alessandro Abate, University of Oxford

Course start: Oct 13

- **199.029 SMT Solving Internals**

Lecturer: Nikolaj Bjorner, Microsoft Research, USA

Course start: Oct 13

*all VU 3.0*

- **199.031 Knowledge Representation for Robotics, Automotive, and SmartCities**

Lecturer: Danh Le-Phuoc, TU Berlin

Course start: Oct 27



- **199.032 Weighted Automata and Weighted Logics**

Lecturer: Manfred Droste, Leipzig University

Course start: Nov 3



- **199.096 From surviving to thriving: crafting your good professional life**

Lecturer: Prof. Geraldine Fitzpatrick

Course start: Oct 10

- **195.080 Philosophy of Science**

Lecturer: Prof. Matti Tedre, University of Eastern Finland

Course start: Nov 19

*all VU 3.0*

## **Current Trends in Computer Science (VU 1.5, 195.072)**

- Ring lecture with talks given by the guest professors of the current study year
- offered throughout winter and (following!) summer term
- Most likely we have 6 talks in total during this study year 2025/26 (check TISS & TUWEL)

requirements for positive grade:

- Preferably students attend 4 talks, choose 3 of those for their report and give a summary of at least 2 pages for each.
- For students who can only attend 3 talks this summary must comprise at least 3 pages for each talk.

The course will end after the summer term, a further combination with talks of the winter term 26/27 will not be possible.





### **Current Trends in Computer Science (VU 1.5, 195.072)**

First talk by

**Jan Drugowitsch**, Harvard Medical School / Boston

**Title: Normative decision-making strategies, and what they tell us about the brain**

Oct 8, 2025, 17:00 c.t., EI11

Details: <https://informatics.tuwien.ac.at/news/2990>

➤ Regular Info Events (process, upcoming guest prof courses, Q&A,...)

➤ Social Events

➤ Special-focus Guided Tours  
(„Vienna for students“, „Hidden Secrets of Vienna“, ...)

➤ Visit & Tour of Ottakringer Beer Brewery

➤ Visit of Vienna Museum of History

➤ Visit of Christmas Market

➤ Curling

➤ ...

➤ Doctoral Stammtisch

(organized by group Student Support)

once a month, next one: Oct 22

<https://www.tuwien.at/en/studies/student-support/get-togethers-for-doctoral-students>



You want to receive information about future social events

- please register here:

[https://inn.tuwien.ac.at/socialevents\\_doctoralstudents](https://inn.tuwien.ac.at/socialevents_doctoralstudents)



Informatics

Thank you!