

#TRANSFORMINGTOMORROW: MAKE A DIFFERENCE WITH US.

IT:U is Austria's emerging public university dedicated to understanding, driving, and evaluating digital transformation for the benefit of our societies, our economy, and our environment.

Shape the future with us in the

IT:U Doctoral School - Call for applications PhD program "Computational X"

up to 12 PhD positions, full-time, 4 years

We are in search of highly motivated and qualified candidates with a master's degree to join our PhD program. The earliest start date for employment is October 1, 2024.

We welcome applications from all disciplines and backgrounds with an interest in interdisciplinary research between computer science and other fields.

PROGRAM DESCRIPTION

The PhD program Computational X promotes interdisciplinary research facilitating the convergence of natural sciences like biology, social sciences and humanities with computational sciences. The program supports junior researchers in developing their abilities to perform independent scientific research.

PhD students will acquire a comprehensive range of computational skills and methods, ranging from data science to artificial intelligence to robotics, as well as a solid core of 21st century skills. This will empower students to transform their respective disciplines with computational methods and explore frontiers in the digitalization of natural sciences, social sciences and humanities. Through the interdisciplinary approach, researchers are enabled to develop, implement, and execute innovative solutions to current societal challenges. This contributes to the digital transformation of science, economy, and society.

The fields are:

Complex Systems and Network Science

Human-Computer Interaction

Natural Language Processing

Game Theory and Evolutionary Dynamics

Computational Neuroscience

Explainable AI

Machine Learning in Earth Sciences

Geosocial AI

Intelligent User Interfaces

Human Rights and Technology

More information on the structure of the doctoral school: <https://it-u.at/en/study-program/doctoral-school/>

RESPONSIBILITIES AND TASKS

- Conduct interdisciplinary research
- Complete PhD courses
- Participate in teaching
- Write and publish research papers
- Write and defend a PhD thesis
- Relocation to the greater area of Linz, Austria, is expected

SKILLS AND QUALIFICATIONS

- To qualify for the PhD program, you must have completed a degree equivalent to a Master's degree in a field related to the project
- Curious mind-set with a keen interest in interdisciplinary research
- Fluent in English

WHAT YOU CAN EXPECT

- Innovative and stimulating working conditions in an interdisciplinary, international research environment
- Office kitchen with complimentary basic supplies (snacks, coffee, milk, etc.)
- Free parking or an Austria Climate Ticket (optimal public transportation connections)
- We offer a gross salary in line with the market from EUR 3.578,80 on a full-time basis (40h)

PLEASE APPLY

- curriculum vitae
- Master's diploma (or equivalent)
- motivational letter
- up to three contacts of professors/collaborators for recommendations



Your contact person
for this position:

Bettina Mairhofer

bettina.mairhofer@it-u.at

To apply, please fill in the IT:U application form and upload your files at:

<https://it-u.limesurvey.net/645891?lang=en>

DEADLINE: September 20th, 2024

***come as you are** – we value and promote diversity in our team. Everyone is encouraged to realize their full potential, realize ideas and seize opportunities. Regardless of age, skin colour, religion, gender, sexual orientation or origin, we welcome applications from all people equally.