



Published: Tuesday, 21st, January, 2025
Application Deadline: Friday, February 28th, 2025
Fulltime Position, target start date: October 1st, 2025
IT:U, Linz, Austria

IT:U – Interdisciplinary Transformation University in Linz, Austria offers
up to **two Tenure-track and Tenured Professorships on the
Intersection of Economics, Finance, Law, or Policy with
Computing**

Full-time appointments at tenure-track and tenured professorial levels at IT:U depending on the successful candidate's qualifications. One of the positions is affiliated with both the IT:U and the Complexity Science Hub Vienna.

ABOUT IT:U

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. A new kind of science holds the key to sustainable solutions for the complex, multifaceted challenges we face today: **computational methods and interdisciplinary research transform how we do science**, how we design systems, and how we contribute to solutions of global challenges.

At IT:U we research, teach, and learn things that matter to you and to the world. IT:U prioritizes inter- and transdisciplinary research, emphasizing mission-based study programs and project-based learning. IT:U is dedicated to developing highly innovative learning technology for support and scalability. By overcoming disciplinary boundaries, IT:U confronts the conflicting realities of today and cultivates the skills to navigate an increasingly digital world. If you are inspired to build this entirely new university with us, then you are the one we are looking for.

IT:U professors are excited about the opportunities that computational methods and especially artificial intelligence create within and across disciplines. Their work transcends established methodological boundaries and enriches a whole spectrum of scientific fields. They are open to forward-thinking approaches to learning and the co-creation of knowledge. IT:U seeks to increase the percentage of women in such interdisciplinary scientific communities. **We specifically encourage qualified women to apply.** When in doubt: apply!

IT:U provides an environment in which you can grow:

- Independent research groups: Each professor will create their own research group independent of whether the professor is tenure-track or tenured



- Low student/teacher ratio: There will be no large lectures, instead you will be teaching within projects and small groups
- Teaching support: Learning professionals will support your teaching actively
- Tenure-track is modelled according to US standards
- Completely English-speaking environment
- Highly service-oriented administration

IT:U students will predominantly learn in projects. As a professor you will collaborate closely with project coaches, lecturers, and lab experts to build skills, foster problem-solving abilities, and ignite passion. This face-to-face work in projects will be complemented by online sessions before, between, and after the project to support the learning process. While this style of teaching demands effort, we find it to be exceptionally rewarding. And our learning professionals are committed to support you. IT:U offers doctoral schools since fall 2024. Master's programs will be introduced in fall 2025.

IT:U is a kind of it's own. The Interdisciplinary Transformation University was installed by a particular law specifically designed to provide this institution the independence, agility and funding necessary to act this way, outside of the slow pre-defined processes commonly followed.

WE ARE LOOKING FOR YOU

Successful candidates are experienced researchers, enthusiastic for project-based teaching, willing to take risks, looking beyond traditional disciplines, and dedicated to making a difference in the world.

All applicants should have:

- a doctoral degree in any relevant field as described in the focus fields of this call
- excellent publication track record of authoring and co-authoring peer-reviewed publications in relevant high-quality venues
- strong teaching competencies, ideally relevant to project-based teaching

Applicants for tenured positions should have:

- experience in building outstanding research groups
- a strong track record in acquiring funding
- demonstrated strong leadership
- significant international research network

In addition, any activities to show your commitment to disseminating your research in different communities, such as the creation of study programs, societal initiatives, hackathons, entrepreneurial experiences, international engagements, experiences in working with industry or NGOs, etc., will be greatly appreciated.



Faculty duties will include conducting original research, building a research group, and contributing to their fields through publications. Professors at IT:U actively engage in mentoring and guiding students. They teach in project-based learning settings, contributing to hands-on educational experiences. Simultaneously, they play a vital role in shaping the academic work and cultures of IT:U's research communities.

The working language at IT:U is English, fostering a globally inclusive learning environment; therefore, candidates must be fluent in English.

IT:U believes the intellectual, cultural, and social diversity of our faculty, staff, and students is vitally important to the distinction and excellence of our academic and research programs. We seek candidates who support our institutional commitment to ensuring that IT:U is inclusive, equitable, and diverse.

OUR OFFER

- Competitive salaries starting from €85.000 (tenure track) and €100.000 (tenured professor) per year as base payment. Overpayment is envisaged according to experience.
- Fully funded PhD students and PostDoc positions
- Full integration into Austria's robust public health system, boasting outstanding clinical facilities and comprehensive healthcare coverage for you and your family.
- Dual career support or dual hiring if applicable
- Relocation services incl. paid temporary housing for the first 6 months (relocation to the Greater area of Linz, Austria, is expected)
- Relocation tax allowance of 30% on income from scientific activities is possible for a period of 5 years (requirements must be examined)
- Perks and benefits like free public transportation (e.g. KlimaTicket).

Welcome services: As part of our commitment to supporting the well-being of our employees, we will assist you in securing appropriate facilities such as day nurseries, kindergartens, playgroups, and schools for the seamless integration of your family into our community.

At IT:U, we believe in fostering a diverse and inclusive workplace. We are committed to gender equality, creating an environment where everyone, regardless of gender, has equal opportunities for growth and success. Additionally, we embrace individuals with diverse abilities and provide a supportive and accessible workplace for people of all backgrounds, including those with disabilities.

PLEASE APPLY

Applications must include

- cover letter and motivation for application (1-2 pages)
- curriculum vitae including a list of publications



- three referees – names and addresses of three or more individuals who are willing to provide a letter of recommendation for you. Please note: We will only contact these referees if you make the shortlist and are invited to the hearings.
- research statement describing your future research program and especially illustrating your interdisciplinary approaches (2-3 pages)
- teaching & mentoring statement with a specific focus on how you envision to teach within projects (2-3 pages)

To apply, please fill in the IT:U application form and upload your files at <https://it-u.at/careers/>

DEADLINE: Friday, February 28th, 2025

Review of applications will commence immediately after

INTERVIEWS for the positions will be held in person starting with May 2025.

Candidates are asked to be available during this timeframe. The exact date will be communicated as soon as the shortlist has been finalized (first half of April 2025).

Target start date: October 1st, 2025.

If you have questions or require support, feel free to contact apply@it-u.at.

Univ.Prof. Dipl.Inf. Dr. Stefanie Lindstaedt

Founding President



Intersection of Economics, Finance, Law, or Policy with Computing

Digital transformation is reshaping economies, financial systems, and legal frameworks, offering unprecedented opportunities and challenges. In economics, digital technologies are driving global transformations, from the green transition to structural shifts in labor markets and value chains, requiring novel approaches to resilience and human capital development. Computational Methods and complexity science provide powerful tools to understand these dynamic changes and their global interconnectedness. In finance, digital innovation is revolutionizing markets through fintech, cryptocurrencies, and ESG investing, while raising questions about data transparency and systemic risk. Similarly, in law and policy, digitization and AI are transforming legal professions and governance, necessitating new frameworks for regulation, privacy, and digital service delivery.

By bridging traditional disciplines with computer science, complexity science, and AI, we can better address these critical challenges and shape impactful solutions for the future.

WE ARE LOOKING FOR YOU

As applicants for a Professorship, we welcome outstanding researchers with excellent research and teaching experience who have demonstrated impact in innovative areas of the relevant fields. The successful candidates will join a dynamic academic environment to lead research, foster collaboration, and contribute to teaching in fields critical to the future of economics, finance, law and policy with technological advancement.

The most critical attribute a future Professor will bring is a collaborative, interdisciplinary approach to academia, and the ambition to create real-life impact at the chosen intersection. Connecting communities and debates in computational and complexity sciences with economics, finance, law, policy and related social sciences requires interdisciplinarity. Methodologically, it requires for example, bridging the divide between complexity economics and traditional economics, combining and being knowledgeable in methods from both fields (e.g., network science and econometrics/causal analysis).

Candidates can come from a wide range of academic backgrounds that are connected to Computational Economics, Finance, Law or Policy such as for example (this is a non-exhaustive list):

Computational Economics

- Global transformations and challenges. Examples are the green transition or the future of work.
- Global value chains / supply chain networks and economies' resilience to shocks
- Complexity approaches to human capital, analyzing task and skill profiles of workers to understand career and schooling trajectories
- Structural transformation of economies and diversification paths of regional and national economies.



- Globalization: how do local economies connect to each other through migration, foreign direct investment and global value chains?

Computational Finance

- Fintech and innovation in financial markets.
- Financial markets and the green transition. How are new data on carbon footprints and social impact of companies impacting on investment strategies of individual and institutional investors (ESG)? What pitfalls and opportunities arise from this? How can they help support societal goals?
- Crypto currencies. Crypto currencies have given rise to new, digital financial market institutions. The blockchain technology that supports these new currencies. contains large amounts of detailed information that sheds light on the workings of digital markets.
- Econophysics and related models to analyze catastrophic events and financial markets forecasting.
- Complexity approaches to studying financial contagion in large-scale supply-chain networks.

Computational Law & Policy

- Regulation of AI: Given rapid developments in the field of AI and its regulation around the world, how can computational methods help reinterpret the regulation of AI?
- Empirical Legal Research with computational methods: how can we interpret how and why citizens follow rules, norms and laws at scale using computational methods?
- Computational Policy Analysis: Are legal frameworks or policies achieving their desired goals?
- Digital Government: how can governments leverage new digital technologies to deliver services to their citizens?
- Regulation and data ownership: balancing new online/digital business models with privacy of individuals.
- Leveraging computational and complexity sciences to develop new policy frameworks. Multiple transformations and global challenges (digitization, migration, green transition) have led to policy responses across all levels of government, from the local to the global. Understanding these challenges requires new policy frameworks that can ingest large amounts of data but also connect to the realities that governments have to face.
- Experience in policy-related projects and an understanding of dominant debates on industrial and other types of policy making to go from policy analysis to policy implementation and ensure impact on public policy.