

## Ph.D. Positions in the Science of Complex Systems

The Applied Complexity Group ([ACG](#)) at the University of Geneva ([UNIGE](#)) is seeking applicants for two Ph.D. positions in the science of complex systems applied to the domain of multilateral diplomacy.

The successful applicants will have a unique opportunity to carry out interdisciplinary research with an international team of outstanding researchers as part of the newly created Lab for Science in Diplomacy ([SiDLab](#)) jointly established between the ETH Zürich (ETHZ) and the University of Geneva.

One position will focus on identifying and analyzing the mechanisms underpinning collective decision-making in multi-agent systems based on large-scale data from several International Organizations (UN, WHO, etc.). The second position will use machine learning techniques for advanced data science analysis of large corpus/databases related to the same International Organizations. The objective is to decipher the contagion of norms in multilateral governance.

**Supervisor:** Professor [Roland Bouffanais](#), Chair of Computational Diplomacy, University of Geneva

**Duration:** minimum 4 years

**Contract:** Research assistant contract with the University of Geneva (starting salary ~55'000 €/year increment and pension benefits). EU citizens have the possibility of residing in neighboring France.

### Requirements:

- Master of Science
- Strong foundational knowledge in areas of network science, complexity science, or computational social sciences.
- Proficiency in programming, with a preference for experience in Python.
- Familiarity with deep learning, and hands-on experience with current tools and frameworks in machine learning such as Git, numpy, PyTorch, TensorFlow, etc., is advantageous.
- Independent work ethic coupled with the capacity to contribute effectively to a team, including the initiative to lead substantial segments of research autonomously.
- Keen interest in cross-disciplinary research and a proactive attitude towards learning.
- Unlimited curiosity.

### How to Apply

Interested applicants must send an updated copy of their curriculum vitae along with a brief statement of research to the following email address: [roland.bouffanais@unige.ch](mailto:roland.bouffanais@unige.ch). State "[SiDLab PhD Position](#)" in the email subject. Positions will be available until filled; only short-listed candidates will be notified.

**About the University of Geneva:** Founded in 1559, the [University of Geneva](#) is the third largest university in Switzerland by number of students, and ranked second according to the [Shanghai Ranking of World Universities 2023](#). The [city of Geneva](#) is centrally located in Europe, host of [numerous international organizations](#) (e.g. UN, WHO, WIPO, WTO, ICRC, CERN), and provides an ideal environment for foreign students and researchers. Switzerland is regularly ranked among the countries with [the best quality of life](#).