



Zurich, 01. August 2015

The University Research Priority Programme (URPP) Social Networks of the University of Zurich offers a **Research Associate position (PhD candidate)** starting from January 1st 2016 or by arrangement.

The URPP Social Networks (<http://www.socialnetworks.uzh.ch>) examines the relationship between social structures and economic behaviour by focusing on complex networked systems. The programme is of interdisciplinary nature and it centres on the investigation of social networks from a perspective that combines elements from network science, physics, economics, information technology and mathematics to deal with modern marketing and management issues. It is one of the eight research excellence programmes that the University of Zurich launched in 2013 in order to strengthen its leading position in international scientific research.

Offer

- A team with strong emphasis on quantitative, applied research.
- The opportunity to complete a PhD in the area of Network Science and Big Data by recourse of complex systems tools and the modelling of socio-economic interactions.
- A broad-range, independent work as part of a dynamic team in a positive working atmosphere.
- A thorough career development program (management by objectives, participation in summer schools, conferences, etc.).
- A well-equipped workspace in an excellent university with international reputation.
- A competitive salary.
- A good work-life balance.

Responsibilities

Develop, manage and publish research projects with focus on analysis and modelling of socio-economic interactions with an inspiration (and eventually application) to marketing and management. Candidates should therefore be able to complete high quality and innovative research. There will be particular emphasis on opinion formation and diffusion processes taking place in presence of rapidly changing patterns of interactions, usually termed *temporal networks*. The appointed candidate must collaborate in teaching activities on network-related topics.

Qualifications

The candidate should have an excellent degree (MA/diploma) in physics, computer science or economics with studies on one or many of the following: complex systems, network formation, modelling of socio-economic systems, game theory, social economics, econometric analysis. Other requirements are: (i) Good command of programming languages such as R, Python for data analysis and C++ or equivalent for computer simulations or willingness to learn. (ii) Very good command of English (oral and written) and excellent communication skills. Curiosity and discipline, self-reliance, integrity, and creativity are necessary attributes.

Further information/How to apply

Further enquires can be sent to Prof. Dr Claudio J. Tessone (address below). To be considered, applications must be sent by email, enclosing the following: (i) a current CV, (ii) University grades, (iii) a statement of interests and ideas (one page, max), (iii) The name and contact details of one referee. Address your correspondence with subject "Application research associate – URPP" to both:

- Prof. Dr Claudio J. Tessone (claudio.tessone@business.uzh.ch)
- Prof. Dr René Algesheimer (market-research@business.uzh.ch)

