Due to a generous donation from the **Sigram Schindler Foundation**, provided successful closure of the endowment contracts,

**Freie Universität Berlin**

**Department of Mathematics and Computer Science**  
**Institute of Computer Science**

invites applications for the following positions:

**Professorship in Convenience Telecommunication Services Requirements (Position R)**

**Professorship in Convenience Telecommunication Services Architectures (Position A)**

The successful applicants will be required to do research and teach in one of the aforementioned fields.

Both vacancies are positions with limited tenure (5 years) at the rank of W3. Salary levels are to be generously complemented by performance-oriented bonus payments. The successful candidates will be appointed either as public servants or as comparable salaried employees for the duration of five years. Options for subsequently extended or tenured employment may be obtained from the articles 94(2) and 102(2) of the Berlin Higher Education Act (**Berliner Hochschulgesetz**).

**Triggers** for creating these positions are: a trend towards wireless and mobile communication; increasingly diverse capabilities of personal communication devices; an ever-increasing number of access methods and networks; and a trend towards advertiser sponsoring and away from fees for many services.

Their **goal** is to develop complex telecommunication functionality that can be used with little cognitive effort.

**Research topics** include (among others):

- **Value-added features** (various kinds of group-based communication functionality; recording; translation; geo services; location-based services etc.)
- **Awareness** of all factors, technical and social, influencing opposite parties' communicative behavior
- **Compensation or cover-up** of technical issues such as quality problems or network handovers
- **Effortless use** of a complex landscape of services, even for occasional users

**Formal requirement for employment:**

In accordance with article 100 of the Berlin Higher Education Act, a **Habilitation**, junior professorship, or equivalent postdoctoral qualification is required for both positions.

**Additional requirements:**

- **For position R:** a broad knowledge of Requirements Engineering (including ethnographic techniques), Human-Machine Interaction, Prototyping, and End-User Software Engineering; openness for close collaboration with neighboring disciplines such as Psychology, Sociology, and Business.
- **For position A:** a broad knowledge of Telematics, Software Architecture, and techniques of Artificial Intelligence.
- **For both positions:** outstanding track records of successful research and university teaching—preferably with strong international components—as reflected by internationally recognized publications; excellent didactical skills; experience acquiring funding for, and carrying out, sponsored research.

The general language of instruction is German for undergraduate courses, and German or English for graduate courses. A non-German-speaking appointee is expected to be able to teach in German within two years.
Both professors will be expected to work in close cooperation with one another, albeit assuming different roles:

- Professor R will research and teach—with a user perspective—how such services should be defined and designed, and will empirically evaluate prototypes.
- Professor A will research and teach—with a technical perspective—how such services can be realized efficiently and reliably, and will provide prototypical implementations.

We also expect the willingness and ability to provide basic education in both undergraduate and graduate degree programs.

Please submit your application as specified at [https://www.inf.fu-berlin.de/w/Inf/ProfTel](https://www.inf.fu-berlin.de/w/Inf/ProfTel) by **2008-08-27**.

Freie Universität Berlin is a public university with some 34,000 students and 380 professors. It has 11 departments structured into more than 70 institutes—not counting the Charité medical center, which incorporates the medical schools of both Freie Universität and Humboldt Universität. In 2007, the findings of a government initiative to promote excellence in teaching and research appraised Freie Universität Berlin as one of the nation’s leading institutions of higher education. Detailed information is available at [www.fu-berlin.de](http://www.fu-berlin.de) and [www.inf.fu-berlin.de](http://www.inf.fu-berlin.de).