Research Openings at Telefónica Research in Madrid, Spain (Research scientists, visiting professors, post-docs, interns).

Areas: Personalization, User Modeling, AI & Data Mining, Business Intelligence.

Telefónica Research in Madrid has several research openings at all levels in the new **Data Mining and User Modeling research group** (**http://research.tid.es/usermodeling**), which focuses on human-centered approaches to data analysis for customer modeling, personalization, and recommender systems. A special emphasis of the group is on principled data analysis taking transdisciplinary approaches that consider socio-cultural context and personal preferences. Research topics for positions in personalization include the following areas of **Recommendation and Information Filtering** (**see website for the other areas**):

- Intelligent approaches to automated product model/data extraction, algorithms for recommendation and their applications, configurable products, and mash-up configurations. Personalized techniques for information retrieval and information filtering, adaptive information search strategies.
- Content-based and collaborative recommendation and applications to multimedia recommendation (TV, movies, music, e-commerce products, etc.)
- Applications of user models, data mining, and AI techniques to recommendation and information filtering.

Selected candidates are expected, and will have the opportunity to develop and lead their own area of research, with significant support from our engineering teams. Individuals must therefore be able to carry out leading independent research while working closely within an interdisciplinary team.

Applicants should have a Ph.D. degree in Computer Science or a related field, **a strong publication record**, and experience in at least one of the areas above. Interdisciplinary background and interests and/or experience in social aspects of computing considered favorably (technology for developing regions, culture-aware computing, etc.) Successful candidates will be highly motivated, creative, dynamic, fluent in English, have excellent communication skills (written and oral), and be able to interact well in international, multidisciplinary, R&D teams. Knowledge of Spanish is not necessary.

Selected candidates are expected to publish in the top-ranked conferences and journals in the field, engage in open research collaborating with international academic partners, and actively participate in the research community (program committees and other activities), and in European (FP7), and other national and international projects. Selected candidates will work closely with other members of the research group and interact with engineering teams to contribute to solving real-world research problems.

Telefónica Research offers an internationally competitive salary and benefits package (flexible working schedule, Spanish classes, lunch subsidy, full medical coverage, etc.) in an international, dynamic work environment in Spain's largest and most international city. As one of the most important European capitals, Madrid offers a vast array of cultural activities, convenient international air connections and some of the best restaurants and nightlife in the continent.

Inquiries and applications should be sent to Dr. Alejandro Jaimes <ajaimes@tid.es> with the subject line "TID Research Application- Personalization". There is no deadline: positions will be open until filled.

Telefónica is a world leader in the telecommunication sector, with presence in over 23 countries and over 218 million customer accesses (2007). Services offered by the Telefonica group include mobile & fixed line phone, ISP, IPTV, web portals, and others. Telefónica R&D is the innovation company of the Telefónica Group. Owned 100% by Telefónica, it was formed it 1988, with the aim of strengthening the Group's competitiveness through technological innovation. It is the most important private R&D company in Spain, in terms size, activities, resources, and participation in European Research projects.

http://research.tid.es/usermodeling