Post-Doc Position in Multimedia Hyperlinking (M/F)  
(Reference: Postdoc_MM_BH_NextGen_Nov2015)

Research topics  Multimedia Analysis, Mining and Indexing, Media Fragments Hyperlinking

Department  Multimedia Communications

Start date  January 2016 (or earlier)

Duration  12 Months

Description  EURECOM's Multimedia Communications Department invites applications for a 12 months, full-time, post-doctoral position related to the NexGenTV project. The project was selected for public funding from DGE/BPI France inside the FUI 19, i.e. the 19th tender of the “Fonds Unique Interministériel” (Single Inter-Ministry Fund) government agency. NexGenTV has been labeled by the two technology competitive clusters, SCS and Image & Réseaux.

Television is undergoing a revolution, moving from the TV screen to multiple screens. Today’s user watches TV and, at the same time, browses the web on a tablet, sends SMS, posts comments on social networks, searches for complementary information on the program, etc... Facing this situation, NexGen-TV was thought to offer new solutions. The foundations of the project translates into functionalities such as the automatic detection of the highlights of a program, the (semi-)automatic addition of complementary information for a program, or the optimization of the user experience via increased interaction in line with the viewer’s expectations. The solutions that we will develop within NexGen-TV will cover two cases: LIVE: The main challenge in the live scenario is that of real-time processing required for sports programs (“FIFA Euro 2016”) and political debates; REPLAY: The main challenge for replay is the quality of the information presented to the user in addition to the program.

The selected candidate will have a chance to develop an expertise in large scale multimedia processing, multimedia mining and search and retrieval. The successful candidate will research and develop methodologies and services for media analysis search and hyperlinking.

Requirements  We are looking for candidates who are highly motivated to conduct high quality research, publish in top venues, eager to develop integrated demonstrators and keen to tutoring users on high-end state of the art systems. Candidates should have a PhD Degree (or equivalent) in Computer Science, or a closely related area, preferably with a focus on multimedia analysis. They are also expected to have good analytical skills and some background in the area of information retrieval and multimedia semantics. Good programming skills are expected. A good level of written and spoken English is mandatory and French a bonus!

Application  Screening of applications will begin immediately, and the search will continue until the position is filled. Applicants should send, to the email address below (i) a one page statement of research interests and motivation, (ii) a CV and (iii) contact details for three referees (preferably one from your PhD or most recent research supervisor).

Applications should be submitted by e-mail to:
- Dr. Benoit Huet (Benoit.Huet@eurecom.fr)
- secretariat@eurecom.fr

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EURECOM specifically encourages women to apply with a view towards increasing the proportion of female researchers.

EURECOM is a French graduate school and a research center in communication systems based in the international science park of Sophia Antipolis, which brings together renowned universities such as Télécom ParisTech, Aalto University (Helsinki), Politecnico di Torino, Technische Universität München (TUM), Norwegian University of Science and Technology (NTNU) and Chalmers University (Sweden). The Principality of Monaco is a new institutional member. The Institut Mines-Télécom is EURECOM’s founding member.

EURECOM benefits from a strong interaction with the industry through its specific administrative structure: Economic Interest Group (kind of consortium), which brings together international companies such as: Orange, ST Microelectronics, BMW Group Research & Technology, Symantec, Monaco Telecom, SAP, IABG.

EURECOM deploys its expertise around three major fields: Networking and security, Multimedia Communications and Mobile Communications. EURECOM is particularly active in research in its areas of excellence while also training a large number of doctoral candidates. Its contractual research is recognized across Europe and contributes largely to its budget.

Thanks to its strong ties set up with the industry, EURECOM was awarded the “Institut Carnot” label jointly with the Institut Telecom right from 2006. The Carnot Label was designed to develop and professionalize cooperative research. It encourages the realization of research projects in public research centers that work together with socioeconomic actors, especially companies.