The L3S Research Center, Hannover, Germany, invites applications for **one PostDoc and two Ph.D. research positions**

in the area of Temporal Retrieval, Exploration and Analytics in Web Archives, in the context of my ERC Advanced Grant ALEXANDRIA, http://www.alexandria-project.eu/.

Within ALEXANDRIA, we are developing new approaches to significantly advance scalable semantic and time-based indexing for Web archives using human-compiled knowledge available on the Web, to efficiently index, retrieve and explore information about entities and events from the past. In doing so, we focus on the concurrent evolution of this knowledge and the Web content to be indexed, and take into account diversity and incompleteness of this knowledge. We further investigate mixed crowd- and machine-based Web analytics to support long-running and collaborative retrieval and analysis processes on Web archives, both on Web archive content as well as on Web archive structure.

ERC Advanced Grants allow exceptional established research leaders to pursue ground-breaking, high-risk projects that open new directions in their respective research fields or other domains, and thus provide an optimal environment for challenging and unique research for PhD students and PostDoc researchers.

You should possess very good knowledge in one or several areas relevant for the topics specified in this announcement, with databases, semantic web, information retrieval, data and stream mining, graph mining, natural language processing and social networks as possible background areas. Proficiency in English is expected, as well as an outstanding M.Sc. / Ph.D. in computer science. German language skills are useful, but not mandatory. International experience during your studies or afterwards, as well as good social and communication skills are helpful.

The salary amounts to German TV-L E13 (E14 for the PostDoc position), which is roughly 45.000 to 55.000 Euro gross income per year.

Please submit your application including the usual documents as well as a list of references, preferrably by email, to

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