Faculty of Mathematics and Natural Sciences

PostDoc in Visualization
at the Department of Informatics, www.ii.UiB.no

Description of the position

The **UiB Visualization Group** (www.ii.UiB.no/vis) is still a relatively new research group at the Department of Informatics of the University of Bergen. Currently one professor, one associate professor, one full-time PostDoc, several part-time senior researchers, ten PhD students, and several Master students work on *medical visualization*, the *interactive visual exploration and analysis* of data from the geosciences, from meteorology & climate research, from bioinformatics, as well as from other application fields. The group offers a *visualization Master study program* to students of computer science (dimensioned 120 ECTS in two years) with courses on computer graphics, visualization, special topics in visualization, etc.

The activities of the visualization group focus on (a) *computer science education* with a special emphasis on *visualization* and *computer graphics* and (b) *visualization research* that is of internationally acknowledged *top quality* and at the same time *oriented at the needs of application fields*, primarily considered in a local and national context. The visualization group adheres to the principle that good (and hard) work *only* is possible if it is also fun to work – the good atmosphere in the group is of high importance, accordingly.

We seek for applicants to the open position of a *PostDoc in Visualization* who
- are willing (and able) to strongly support the *teaching* which is required to continuously offer the UiB Master study program on Visualization to students of Computer Science (as well as to support undergraduate teaching in Computer Science), involving the teaching of respective courses, coaching of students during their projects (especially also including their Master thesis project), etc., and who
- have a very strong potential for successful visualization *research* on an international level (also in the context of collaborative research [1]). Preferences with respect to selected directions of visualization research are welcome as long as they blend well with the ongoing (and with the planned) research activities of the visualization group. It is important that the competences of the applicant match what is required by the application fields which are addressed by the visualization group, including medical applications, the oil&gas industry (geosciences), meteorology / climate research, marine life research, and bioinformatics.

[1] collaboration with students, fellow researchers, application fields, and colleagues from the international scientific community

According to our expectations, we foresee the new PostDoc in Visualization to (a) help with offering the UiB Master study program in visualization, to (b) strengthen ongoing / planned visualization research, to (c) support PhD projects in the group through collaboration, and to (d) help with the acquisition of funding for new research projects.

Applicants are advised to verbosely document their experiences with teaching and research, including comprehensive information about previously taught courses, coached students, etc., as well as their scientific track record, including their publication list, etc.. Additionally, applicants are requested to formulate their motivation to apply for this position as well as their view on how to integrate with the group in their own words (no longer than one page).