

Associate Professor in Visualization

at the Department of Informatics, www.i.uib.no

Description of the position

The scientific work of the department is organized in six research groups: one on *algorithms*, one on *bioinformatics*, one on *optimization*, one on *programming theory*, one on *secure communication*, and one on *visualization*. 20 professors / associate professors work at the department as well as 5 adjunct professors, about 50 PhD students, 15 post-doctoral researchers, and a supporting staff of eight. Each research group is responsible for teaching advanced courses within its subject area. Together, the department offers basic teaching, e.g., in the course of the Bachelor program in informatics, which is in the shared responsibility of all the groups.

The **visualization group** (www.i.uib.no/vis) is a new and expanding research group at the UiB Department of Informatics. Currently one professor, one PostDoc, four PhD students (soon five), and several Master students work on medical visualization, the interactive visual analysis of data from the oil & gas sector, *et cetera*. The group offers a still new Visualization Master study program to students of computer science (dimensioned to two years) with courses on computer graphics, visualization, medical visualization, etc.

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

Applicants are searched to this open position of an Associate Professor who

- are willing (and able) to strongly support the *teaching* which is required to continuously offer the UiB Master program on Visualization to UiB 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 (also including their Master thesis project), etc., and who
- have a very strong potential for successful visualization *research* on an international level (also collaborative research [1]). In principle, all possible directions of visualization research are welcome (as long as the potential for top-notch research is very high). It will be considered advantageous, however, if the scientific direction, which the applicant aims at, (a) fits well into the research scope of the existing visualization group and (b) matches the visualization competences that are required by the potential local applications, including medical applications, the oil&gas industry, marine life research, and meteorological/climate research (with a preference on medical visualization).

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

Applicants are advised to verbosely document their experiences with teaching and research, including comprehensive information of previously taught courses, coached students, etc., and their scientific track record, of course. Additionally, applicants should submit an up to two pages long personal vision document with (a) their scientific vision wrt. visualization research and (b) with their opinion on how to blend with the already ongoing activities of the Bergen visualization group.

The teaching language will normally be Norwegian. The successful applicant must be able to teach in Norwegian or one of the other Scandinavian languages within two years of his/her appointment.

Basic teaching training is also a requirement, but the successful applicant who does not have such competence at the time of his/her appointment will be offered training and will be required to produce evidence of such training within one year of the date of appointment. This deadline is extended to two years for the successful applicant who does not master a Scandinavian language at the time of appointment.

Reference is made to the University's General Regulations which state that as port of the normal duties of the position, the successful applicant may also be required to undertake teaching, supervision and work in connection with examinations in his or her particular field outside the organisational unit to which the appointment belongs.

The former Senate emphasised that teaching qualifications are to be given real weight in appointments to middle and top academic positions. Applicants must produce evidence of their own teaching qualifications. This can be done by submitting, for instance:

- evidence of completed teaching training
- evaluation reports of the applicant's teaching
- overview over scope and level of teaching
- overview over supervision of post-graduate and doctoral candidates, and results obtained
- student awards received
- own teaching publications
- own teaching compendia and material
- reports showing participation in projects related to the development of teaching, such as alternative forms of teaching, supervision or teaching environments

If there are applicants of both sexes with approximately equivalent qualifications, the female applicant pursuant to the rules on equal opportunities shall be ranked before the male.