PlanYourPlace: a geospatial cyber-infrastructure for sustainable community planning

Postdoctoral Fellowship Opportunity
@ the University of Calgary

One Postdoctoral position is open within the GiScience Group at the University of Calgary, starting April, 2011. The successful candidate will work on one or more research projects related to cyberinfrastructure implementation, web GIS, urban planning, spatial analysis and modeling, and participatory GIS applications.

The successful candidate will lead the day-to-day development and management of a geospatial cyber infrastructure that promotes the fundamentals of responsible and ethical sustainable practices for urban development. The proposed work plans to address this objective in three ways: (i) through development of a rich web-based tool to help citizens, developers and elected officials visualize possible scenarios and their anticipated effects (analysis focus); (ii) by developing sketch friendly tools to create alternative plans and then estimate the fiscal, environmental, and social impacts, etc. (design focus); and (iii) extend participatory GIS to support a two way dialog between citizens and planners about communities and their future.

Applicants should have a recent Ph.D. degree in GIScience, Computer Science, spatial analysis, or a related field. Knowledge and experience in advanced Web technologies and geovisualization are desirable. The successful candidate will conduct forefront research in one of the three areas identified above, and coordinate with multidisciplinary collaborators involved in the PlanYourPlace project. He or she will also work with graduate students in the GIS track at the Department of Geomatics Engineering, University of Calgary. Stipend depends on qualifications. The original appointment is for one year. Extension after the first year depends on availability of funding and performance.

Interested applicants are requested to send a cover letter summarizing their relevant background / skills, CV, unofficial transcripts, and contact details for three referees to Dr. Andrew Hunter via email (ahunter@ucalgary.ca).