**Position Available – National Center for Smart Growth**

**To apply copy the link below into your browser and go to:**

<https://ejobs.umd.edu/postings/58982>

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| **Position Summary/Purpose of Position:** | The National Center for Smart Growth (NCSG) at the University of Maryland seeks a qualified analyst with a solid background in regional sustainability planning, transportation analysis and travel demand modelling. Primary responsibilities include advancing the Prospects for Regional Sustainability  Tomorrow (PRESTO) project. Developed with support from the Town Creek Foundation, PRESTO deploys an advanced suite of integrated models to develop and explore alternative futures for the region. With these powerful tools, PRESTO facilitates a rigorous exploration of how external driving forces could shape the future of the region and affect quality of life, including: • Job growth • Housing prices • Housing growth • Emissions and air quality • Traffic congestion • Nutrient loading into the Chesapeake Bay • Transit ridership • Forests and farmlands  The NCSG has an innovative multi-disciplinary working environment with staff expertise in the areas of travel forecasting, land use planning, land use forecasting, economics, GIS and statistical analysis. The selected applicant will exercise the integrated modeling suite in order to test policies for promoting sustainability across the four PRESTO scenarios. Duties will additionally include the integration of two additional models addressing public health and water quality into the modeling suite. The successful application may also exercise individual modeling components in sensitivity analysis.  The position includes interaction with the School of Architecture, Planning, and Preservation, the University of Maryland Center for Environmental Science, and School of Public Health at the University of Maryland. |
| **Minimum Qualifications:** | Possession of a Masters or higher degree from an accredited college or university in regional planning, transportation planning, civil engineering, computer science, geography, or related field.  Two years regional modeling or transportation modeling experience in professional level work.  Experience as a graduate research assistant may be substituted on a year-for-year basis for the required professional experience.  Expertise in demand modeling, econometric modeling, integrated transportation and land use models are skills of particular interest  This position is funded through the summer of 2018. Continuation is contingent upon new commitment of funds. The project sponsor has indicated that continuation is very likely. |
| **Preferences:** | Knowledge of geospatial information systems required, ArcGIS preferred. Knowledge of ArcGIS model builder a plus. Knowledge of R programming language strongly desired. Knowledge of Python programming language a plus. Knowledge of Java programming language a plus. Knowledge of CUBE software a plus. |
| **Additional Certifications:** |  |
| **Additional Information:** | This position is funded through the summer of 2018. Continuation after the summer is contingent upon new commitment of funds. The project sponsor indicates that continuation is highly likely.  In addition to the required information, applications must provide a description of one or two major travel, land use, land cover, or environmental forecasting projects worked on. Limit two pages total attached as supplemental document 1.  Please provide the names and contact information of three references. |
| **Posting Date:** | 03/30/2018 |
| **Closing Date:** | 04/22/2018 |
| **Open Until Filled** | No |
| **Best Consideration Date** |  |
| **Physical Demands** |  |
| **Diversity Statement:** | The University of Maryland, College Park, an equal opportunity/affirmative action employer, complies with all applicable federal and state laws and regulations regarding nondiscrimination and affirmative action; all qualified applicants will receive consideration for employment. The University is committed to a policy of equal opportunity for all persons and does not discriminate on the basis of race, color, religion, sex, national origin, physical or mental disability, protected veteran status, age, gender identity or expression, sexual orientation, creed, marital status, political affiliation, personal appearance, or on the basis of rights secured by the First Amendment, in all aspects of employment, educational programs and activities, and admissions. |

**Applicant Documents**

**Required Documents**

1. Resume
2. Cover Letter
3. List of References (no emails sent from system)
4. Supplemental Document