

# GEOSPATIAL

## NEWSLETTER



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## THE GEOSPATIAL MOVEMENT AT BCC!

**W**elcome to the second edition of the *Geospatial Newsletter*! *Geospatial Newsletter* reports on all activities related to geospatial sciences at BCC and each issue covers 3-4 months of activities (e.g., this issue covers activities from March, April, and May 2011. BCC has made several developments since August 2010. We are delighted to bring a list of events and the most recent developments in geospatial technology at BCC.

1. The *Geospatial Newsletters* may be accessed at the Chemistry and Chemical Technology website. The link is: <http://www.bcc.cuny.edu/chemistry/?page=SpatialTechnology>.
2. Dr. Sunil Bhaskaran was invited to deliver a presentation at the Provost Lecture Series at York College of CUNY on March 16, 2011. Youtube link to the presentation: <http://www.youtube.com/watch?v=lrYTjn9zIa8>.
3. Link to Prof. James Watson's paper on GIS: <http://www.hostos.cuny.edu/departments/math/MTRJ/archives/volume4/issue3/watson.pdf>. The title of the paper is "Introducing Geographic Information Systems to General Math Students."
4. Dr. Sunil Bhaskaran has been invited by NYView to represent BCC. The first official website of NY View is online and available for general viewing. NewYorkView, representing New York State, is one of the StateView members of AmericaView. NewYorkView became an affiliate (non-funded) member of AmericaView on January 27, 2009. SUNY
- ESF led the proposal effort resulting in affiliate status. SUNY ESF is the official "member of record" and point of contact for NewYorkView. In 2011, NewYorkView will apply for associate membership status in AmericaView. Website: <http://nyview.esf.edu/index.php?q=members>.
5. Undergraduate student Julissa Lora has been accepted into NCAR's Undergraduate Leadership Workshop to be held in Boulder, Colorado, June 13-17, 2011. MODIS satellite data will be used to calibrate and map data collected at NCAR. This is great news for the department. Congratulations to Julissa Lora who is also active as a Student Senator and chairperson of the Public Relations committee. If you wish to know more about NCAR please visit its website at [http://www.ucar.edu/educ\\_outreach/ulw/](http://www.ucar.edu/educ_outreach/ulw/).
6. ENV 11 students Karolyn Jiminez, Yamileth Hernandez, Marilisa Gomez, Danielle Prince and Luigi Luciano presented findings from a research project using GIS at the BCC Science Fair on April 7, 2011.



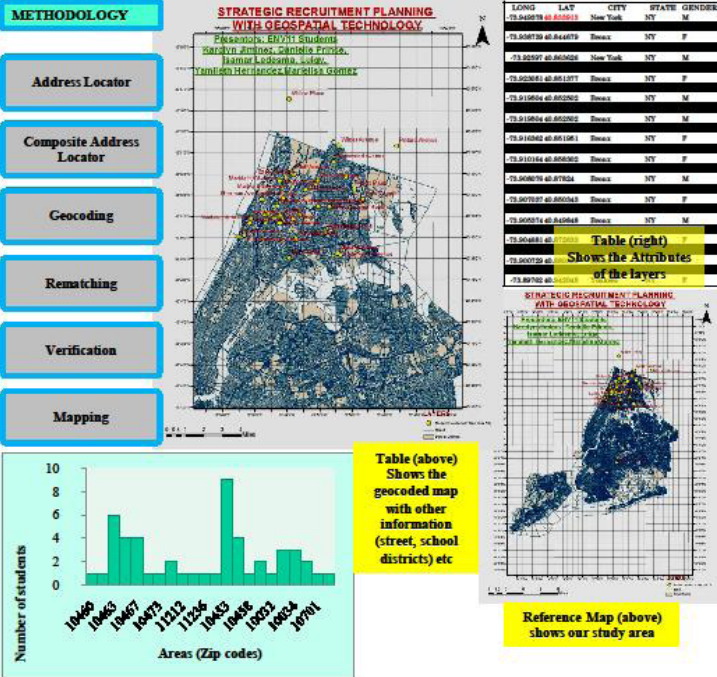
**Third prize winners of the 2011 BCC Science Fair:** ENV 11 and GIS students Marilisa Gomez, Yamileth Hernandez, and Karolyn Jiminez with their certificates.

*Presenters were Karolyn Jiminez, Danielle Prince, Luigi Luciano, and Marilisa Gomez. Project supervisors were Dr. Sunil Bhaskaran and Prof. Neal Phillip.*

## Strategic Recruitment Planning with Geospatial Technology – Project by ENV 11 Students

**Student Presentors:** karolyn Jiminez, Danielle Prince, Luigi Luciano, **Supervisor – Prof. Sunil Bhaskaran.**

**Project Description:-** Project aims to develop a marketing tool using location based analysis of anonymous data collected from students at BCC. Methodology included using a Geocoding model available in geospatial software to map the distribution of students in selected Boroughs of New York City.



**Results, scope and Future Work:** We mapped the locations of students attending BCC by using advanced Geocoding model available with the latest version of GIS software. This model may be used by BCC in developing marketing strategies for recruiting new students and increasing enrollments.

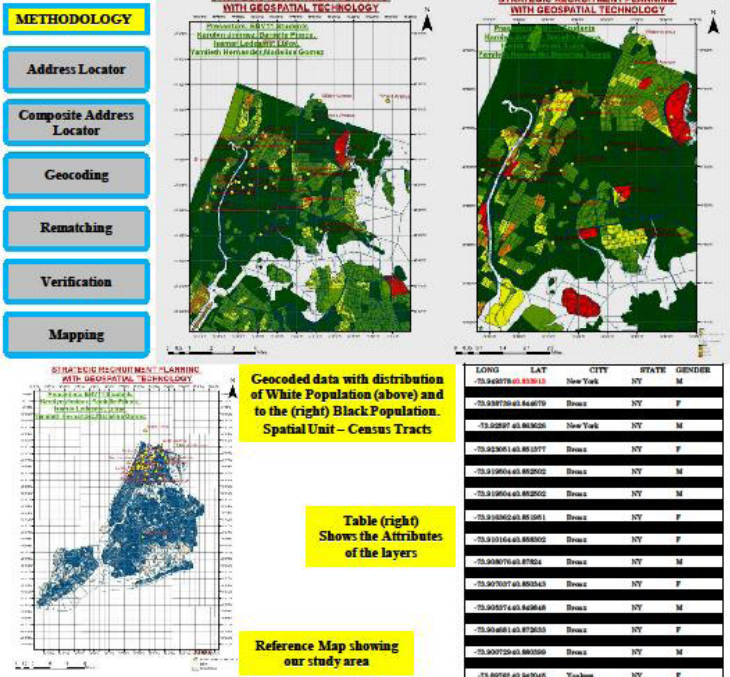
**Acknowledgment:** Thanks to Professors Sunil Bhaskaran and Neal Phillip  
For more details on this project please contact Prof. Sunil Bhaskaran

## Integrating Census and Geocoded Data for Strategic Recruitment Planning with Geospatial Technology

**Student Presentors: Ms Jamileth Hernandez, Ms Marilisa and Ms Isamar Ledesma.**

Supervisor – Prof. Sunil Bhaskaran

**Project Description:-** Project aims to develop a marketing tool by using location based analysis of anonymous data collected from students at BCC. Methodology included using a Geocoding model to map the distribution of students in selected Boroughs of New York City. Demographic data were created for each census tracts and blocks and integrated with geocoded data to map ethnic background.



**Results, scope and Future Work:** We mapped the locations of students attending BCC by using the Geocoding model available with the latest version of GIS software. This model allows us to analyze demographic data from US census and other sources to develop tools that may be used by BCC in developing marketing strategies for recruiting new students.

**Acknowledgment:** Thanks to Professor Sunil Bhaskaran and Neal Phillip. For more details on this project please contact our supervisor Prof. Sunil Bhaskaran

7. The first International Speaker Series program in the Chemistry Department was initiated by Dr. Sunil Bhaskaran and Prof. Neal Phillip. Under this program several renowned scientists and academics from geospatial technology would be invited.

Dr. Atiqur Rahman - from the Urban Environmental Management & Remote Sensing & GIS Division, Department of Geography, Faculty of Natural Sciences, Jamia Millia Islamia University, New Delhi, India - delivered a talk on April 6, 2011 in Schwendler Auditorium. The title of the presentation was "Application of Multi-sensor Satellite Data for Assessing Impact of Urbanization and Land Use/Land Cover Change on Micro-climate of a Mega City in India." Many students and faculty members were present at this talk. Dr. Atiqur Rahman is currently collaborating with the State University of Arizona on a NASA project.

8. BCC Global Initiative - Dr. Sunil Bhaskaran has been invited by the Center of Resource Engineering, Indian Institute of Technology, Mumbai; the Energy & Research Institute, Jawaharlal Nehru University; Department of Geography, Jamia Millia Islamia University; and the Indian Institute of Science and

the Department of Geography, Bangalore University, India to deliver talks on applications of GIScience to various global issues. During this trip, Dr. Bhaskaran will also work towards developing international research collaborations between BCC and these institutions.

9. Dr. Therese Soosairaj from the Chemistry Department has







*Students at the International Speaker Series organized by the Chemistry Department.*

been selected and invited to attend a workshop in Wisconsin. The workshop is called "2011 Biofuels Train the Trainer Academy." Congratulations to Dr. Soosairaj on being selected!

10. Dr. Sunil Bhaskaran delivered a presentation on April 28, 2011 at the BCC Faculty Technology Showcase. Dr. Bhaskaran gave an outline about geospatial technology and its applications in different disciplines at BCC.
11. Environmental Science students in ENV11 (sections 1425, 91325 & 5409) completed four geospatial projects as part of their course assessments. The students presented their projects on May 2nd and 5th.
12. The Department of Chemistry acquires its first copy of Image Analysis software. Negotiations are underway with the ITT company to provide BCC students with a complete lab license for the fall 2011 semester.



**International Speaker Program - (Above)**  
*Dr. Atiqur Rahman with Prof. Neal Phillip and Sunil Bhaskaran on the BCC campus.*



*Students from the Earth and Environmental Sciences' ENV 11 (section 5409) course delivering group project presentations in April 2011. Besides presenting, they were required to submit a group project report.*



## GEOSPATIAL NEWSLETTER

If you have any interesting facts and achievements related to geospatial technology or applications of geospatial technology to your specialized study area, please contact us. You may email your stories to Dr. Sunil Bhaskaran (Sunil.Bhaskaran@bcc.cuny.edu) with a copy to Ms. Maribel Donado (Maribel.Donado@bcc.cuny.edu).