ALLEN, Lorraine: SBDC State/Federal Grant 2010 – 1/1/10-12/31/10:

The Small Business Development Center at the College of New Jersey provides assistance to small businesses in all industries to maneuver around the obstacles to success. The SBDC offers group as well as confidential one-on-one counseling at no charge, in addition to a variety of workshops, seminars, and a small business certificate program.

BEABER, Patricia: Preservation Assessment of the TCNJ Library Archives and Special Collections – NEH - Preservation Assistance Grants for Smaller Institutions - 7/1/09-6/30/10:

If we receive this grant, the Library at The College of New Jersey will hire a professional consultant to conduct an in depth preservation needs assessment of our Library Archives and Special Collections. From this consultation we will receive assistance in drafting a long range plan for our humanities materials. These materials document the history of the college (the oldest public teacher training college in New Jersey), the history of teacher education, local and state history, genealogy, and a large range of historical textbooks. We are especially interested in determining sound policies and practices for the care and use of the materials, improving environmental conditions, developing emergency plans, and developing plans to make our collections more accessible yet still safe. A small part of the grant will be used to purchase archival care and storage materials.

BEETLE, William: Mobility & Community Form: Linking Transportation & Land Use – NJ DOT - 11/15/07-9/30/11:

The New Jersey Department of Transportation (NJDOT) desires to assist New Jersey municipalities to envision and achieve more well-rounded transportation systems that closely link to and serve vibrant and sustainable communities. Transportation facilities when more carefully linked with land development enhance regional mobility through trip avoidance, trip chaining, multi-modal transportation use, and the development of more robust transportation networks. An effective way to achieve this goal is by linking transportation and land use through municipal master plans, which are then implemented through municipal land development and land use ordinances.

NJDOT has developed a concept called "Mobility and Community Form" (MCF) that uses a visioning (charrette) process to link transportation and land use; and then translate that visioning into master plan goals and eventually into form-based code and infrastructure design standards to affect the community development process.
NJDOT desires to contract with the Municipal Land Use Center @ The College of New Jersey (MLUCBTCNJ) to assist and support municipalities in their implementation of MCF strategies. Under the direction of NJDOT, MLUC @ TCNJ will provide administrative direction and perform the technical work as described in the Scope of Work below. Under the direction provided by NJDOT, MLUC@TCNJ, working with other consultants and not-for-profit organizations, herein referred to as the "project team," will select up to 10 municipalities to implement MCF strategies through visioning, master plan changes and modifications of municipal ordinances and codes.

BEHRE, William: NJ Center for Future Teacher Recruitment – NJEA - 1/1/10-1/1/11:

The School of Education at The College of New Jersey seeks to establish the New Jersey Center for Future Teacher Recruitment, a collaboration between the New Jersey Education Association and TCNJ to launch a new vision for statewide leadership in the identification, selection, and grooming of prospective future teachers and to serve as an exemplary national model of future teacher development and recruitment. While a similar less broad Center has previously been in operation at the College of New Jersey at this time, December 2009, there is no such center in New Jersey and such an operation is clearly needed to identify and motivate high school students, from Trenton and from around the state, to seriously consider teaching as a career, and especially teaching in subject areas, such as STEM where there is a shortage everywhere, New Jersey and nationally.

The difference in this proposal from prior efforts is that it is much more broad-based and inclusive, reaching out to and including students from urban, rural, and suburban high schools and their teachers, many of whom are NJEA members. In a collaborative training initiative the selected teachers will be able to carry back new techniques to their classrooms, especially in science, world language, and special education classrooms together with after-school enrichment programs for the participating students through the creation and expansion of FEA groups at the many participating high schools. The program launch at TCNJ, confined to two weeks on campus, will be followed by various satellite programs to be operational at the many participating high schools and at conventions of educators where we envision that our selected high school students will be participants for the first time.

BELL, Michael: Bulletproof Vest Partnership Program – NJ Dept. of Law and Public Safety - 7/9/09-9/30/10:

The Office of Campus Police at The College of New Jersey seeks a grant for the purchase of bulletproof vests. The vests for which this agency is requesting reimbursement funds are in compliance with the Bulletproof Vest Partnership (BVP) program guidelines and with current National Institute of Justice (NIJ) standards.
BENOIT, Margaret: Undergraduate Curricular Materials Corresponding Seismological Grand Challenges – NSF - CCLI - 1/1/10-1/1/13:

Through a unique partnership between The College of New Jersey (TCNJ), the Education and Outreach Program of the Incorporated Research Institutions for Seismology (IRIS), and representatives of the seismological research community, this proposal seeks to modernize seismological instruction at the undergraduate level by creating curricular materials that foster hands-on and minds-on engagement with content and correspond to the Seismological Grand Challenges in Understanding Earth’s Dynamic Systems (Lay et al., 2009). The Grand Challenges are ten questions posed to help guide fundamental seismological research for the next several decades, and were identified during the Long Range Science plan for Seismology workshop in 2008.

This workshop, funded by the National Science Foundation, was attended by ~ 120 geophysical researchers who set out to delineate the frontiers of seismological research. Though these questions were posed to guide research, they present a unique opportunity to address shortcoming that exist in seismology instruction at the undergraduate level. Each question connects seismology with other major Earth processes and organically allows for the formation of exciting inquiry-based classroom modules that utilize authentic data and incorporate cutting edge research.

BENOIT, Margaret: Klyuchevskoy Volcanic Group Investigation – NSF - Geophysics - 1/1/10-1/1/12

Located at the junction of Kamchatka and the Aleutian Arc, the Klyuchevskoy Volcanic Group is among the most active volcanic features on Earth. Composed of a number of active edifices, the Klyuchevskoy Group (KG) is arguably the most productive single island arc volcano. While lavas of the Klyuchevskoy Group are typical for subduction zone water-induced flux melting, its position within the Kamchatka subduction zone is quite unusual. The depth to the subducting Pacific plate is ~170 km, much larger than the typical range where fluids are released from the slab. This inconsistency points to unusual geodynamic conditions responsible for the recent (~50Ka) formation of the KG and the present remarkable productivity. Notably, previous geophysical studies identified considerable heterogeneity of seismic properties within the mantle wedge beneath it.

This projects aims to put new seismological and geochemical constraints on the upper mantle structure beneath the Klyuchevskoy Group. It is motivated by our previous research effort which identified a planar dipping seismic feature in the mantle wedge which is ~110 km deep and appears to be sharply bounded. It is likely that there is a relationship between this feature and the unusual aspects of the volcanic activity of the Klyuchevskoy Group.
BIERBAUM, Martin: NJ State Development and Redevelopment (Supplement/Extension) - NJ Dept. of Community Affairs - 7/1/09-9/30/09:

The Municipal Land Use Center at The College of New Jersey (MLUC@TCNJ) has entered into a cooperative agreement with the Office of Smart Growth (OSG) within the New Jersey Department of Community Affairs (NJ DCA) to assist in writing the latest version of the New Jersey State Development and Redevelopment Plan. Aspects of the current effort will try to restore the New Jersey State Plan to its earlier prominence as a model of outstanding planning for this and other states in the nation. It will also attempt to bring the last version of the State Plan up to date by balancing such disparate issues as recent judicial mandates in regard to affordable housing, growing concerns about global climate change and greenhouse gas emissions, while simultaneously incorporating aspects of the Governor’s economic growth strategy announced near the outset of his administration.

BURROUGHS, Linda: TALL Teacher Support for Science Projects – 3M - 7/1/09-6/30/10:

TCNJ's Tall program has been nationally recognized by the Council of Chief State School Officers (CCSSO) for the development of a mathematics and Science professional development model that increases teacher quality and student achievement. 3M's FY 07 support of the Tall program was used to support programmatic ongoing expenses, including travel or other support for key TCNJ faculty, conference support, and similar programmatic expenses. 3M's FY 08 support of this program was directed toward small grants to teachers participating in the program. This program receives additional funds, which are needed from various federal/state programs since Tall is part of The New Jersey Statewide Systematic Initiative (NJ SSI) at TCNJ (K-12). In addition, some revenues are raised via fee-for-service costs, passed along to teachers and/or their school districts.

NJ SSI's Regional Center at TCNJ offers a 12 day, 60 hour Partnership Program for Excellence in Mathematics, Science, and Technology to work with school districts to improve mathematics, science, and technology education in grades K-12. The Program seeks to improve local district mathematics and science test scores on statewide assessments and provide districts with coherent, consistent support for implementing standards-based curricula. Through strategic planning, participating districts identify professional development needs, use data for decision making, develop more effective instructional methodologies, and build capacity for reform.

CHAN, Benny: MRI: Acquisition of a Single Crystal XRD for Undergraduate Research and Training FY10 – NSF - MRI - 1/1/10-1/1/11:

The Department of Chemistry at The College of New Jersey (TCNJ) requests funds to acquire a Bruker Breeze Smart CCD single crystal X-ray diffractometer (XRD) to perform solid state structural characterization of organic, inorganic and organometallic materials, supporting the
scientific studies of five primary and three secondary users with interests in inorganic, organic, materials, and biological chemistry.

COLLINS, John: State Aid Appropriation for Live Scan/Mugshot Photo Workstation – NJ Office of Homeland Security and Preparedness - 5/20/10-6/20/11:

The College of New Jersey seeks eligible funding for a Live Scan/Mugshot Photo Workstation. This funding will enhance the state of NJ’s ability to prevent, detect, deter, respond to and recover from threats and acts of terrorism. It can also significantly benefit NJ’s emergency response community, and support the national and state priorities and target capabilities.

CUNNINGHAM, Sarah: Annual Gallery Exhibit Program – MCC – 1/1/10-12/31/10:

This MCC&HC grant will help support The College Art Gallery at The College of New Jersey’s public programs including exhibition and arts lectures. The College Art Gallery presents six exhibitions and several lectures annually. All gallery events are free and open to the public. Funding defrays costs related to printing, professional fees and exhibition costs.

DELL, Amy: The Adaptive Technology Center for New Jersey Colleges – NJ CHE - 7/1/09-6/30/10:

This proposed project's goal is to increase the opportunities for New Jersey's college students with disabilities to meet the academic demands of college through access to technology tools and texts in alternate formats that will increase their independence, participation and productivity. This project plans to increase the availability and use of adaptive technology by students with disabilities through the operation of an Equipment Loan program and the provision of targeted and timely technical assistance.

In addition, it will increase awareness and availability of text in alternate formats through the offering of a service that will convert printed text into electronic formats so that college students who are blind/visually impaired and those who have learning disabilities will be able to access their reading assignments in a timely manner, and increase the knowledge and use of adaptive technology among disability support staff, faculty, and students with disabilities by providing training workshops and technical assistance on appropriate technology tools and best practices.

Overall, the proposed project wants to promote and share up-to-date information on new technology tools and best practices in the implementation of adaptive technology and collaborate with the other regional centers, New Jersey's other IHE's, and external agencies to meet these objectives and support college students with disabilities.
DONOHUE, Patrick: Bonner Enrichment FY '10 - Bonner Foundation - 9/1/09-12/31/10:

This fall, the College of New Jersey took a number of important steps to bring Bonner goals to life (transforming individuals, campuses and communities) and further develop its culture of service. The College eliminated the Office of Civic Leadership, which was responsible for the first-year experience and other service efforts, and moved its responsibilities to the Bonner Center, which already housed the Bonner Scholars Program as well as the non-profit management certificate program. The College also hired an experienced Bonner Corps Director and community-based learning Professor and asked him to develop new models for the Bonner Scholars Program as well as the First-Year Experience.

The model that has been developed integrates the Bonner Scholar/Bonner Leader Developmental model with the desire of the institution to have all first-year students participate in a meaningful service experience, so that we are not only developing life-long learners, but individuals committed to improving the quality of life wherever they may live well beyond graduation. In terms of the Bonner Scholars/Leaders, the entire group is now organized into tracks (e.g. hunger, homelessness, urban education and enrichment). In terms of the first-year students, the Bonner Scholars/Leaders organized 25 floor meetings and obtained their preferences (based on their review of a calendar/ballot). Bonner Teams are now in the process of shaping, organizing and supervising groups of first year students to complete 8 hours during the Community-Engaged Learning Day of their choice.

DONOHUE, Susan: Technology/Pre-Engineering Education sCHolars (TECH): Building the Future – 7/1/11-6/30/12:

TCNJ Technology/Pre-Engineering Education sCHolars (TCNJ-TECH), an S-STEM program, is presented in this proposal. TCNJ-TECH will be administered by the Department of Technological Studies in the School of Engineering at The College of New Jersey (TCNJ). TCNJ-TECH’s primary goals are to increase the number of TCNJ students certified to teach technology education, to increase the diversity of TCNJ students certified to teach technology education, and to fulfill the National Council for Accreditation of Teacher Education (NCATE) charge to be “agents of change” through the promotion of technological literacy and STEM careers and the professional development of technology/pre-engineering students, qualifying them for certification as a K-12 technology educator.

DREWES, Donna: Rutgers NJSSI Sub-Award – Sustainable Jersey - NJ BPU - 7/1/09-6/30/10
The Municipal Land Use Center at The College of New Jersey in partnership with the New Jersey Sustainable State Institute (NJSSI) at the EJ Bloustein School of Planning and Policy at Rutgers will provide support and services to the New Jersey Board of Public Utilities (The Board) in conjunction with the Sustainable Jersey Program to:

- Further the effectiveness and penetration of their various Clean Energy Programs (CEP) through linkage with Sustainable Jersey
- Integrate CEP and Sustainable Jersey Actions, standards, and incentives as appropriate
- Implement a series of policy development and outreach efforts (through Sustainable Jersey) that will change the behavior of municipalities and New Jersey citizens in ways that support achieving the goals and objectives of the Board, the Global Warming Response Act, and the NJ Energy Master Plan

DREWES, Donna: Sustainable Jersey Program - NJ League of Municipalities - 4/19/10-6/30/10:

The Municipal Land Use Center at the College of New Jersey has been a core partner of the Sustainable Jersey program since its inception. As originally conceived, Sustainable Jersey has been jointly administered by the Mayors' Committee for a Green Future from the NJ League of Municipalities, the NJ Sustainable State Institute at Rutgers (NJSSI), and the Municipal Land Use Center at The College of New Jersey (MLUC@TCNJ). Randy Solomon, as Director of NJSSI at has been providing a critical role in Sustainable Jersey program development and delivery in such areas as energy, green design, greenhouse gas mitigation strategies, operations and maintenance, innovative demonstration projects, and community programs.

MLUC@TCNJ is seeking to hire Mr. Solomon in order to insure that the Sustainable Jersey program continues without interruption, in particular to satisfy existing commitments to funders and client communities. Mr. Solomon has been working on the Sustainable Jersey project since its inception and is familiar with every aspect of the program. His expertise in the field of sustainability and energy makes him uniquely qualified. Mr. Solomon has institutional knowledge that cannot be provided by another individual, which is integral to the continued success of Sustainable Jersey.

DREWES, Donna: EPA Climate Showcase - USEPA – 7/1/09-6/30/12: Awarded

A consortium of New Jersey municipalities in partnership with the Sustainable Jersey™ Certification Program and the New Jersey Board of Public Utilities, through their Clean Energy Program and Community Partners Initiative, seeks funding to implement and assess a pilot incentive and outreach program intended to change the behavior of municipalities and New Jersey citizens in ways that support achieving the goals of New Jersey’s Global Warming Response Act, the Sustainable Jersey Certification Program, and the participating municipalities.

Three New Jersey municipalities that are leaders in sustainability will set new aggressive and highly publicized targets for energy and greenhouse gas reductions (GHG) in key sectors, and then work with the
state, federal government, and Sustainable Jersey to implement a slate of programs that will result in residents and businesses, in addition to local government, adopting more sustainable energy practices. The targets will be based on a sophisticated modeling assessment of the realistic impact of the new programs to be implemented. The impact of the programs will be quantitatively tracked for research purposes, and publicly reported to encourage virtuous competition among municipalities, and among residents and businesses within in each municipality. The key objectives of the program are:

Demonstrate that aggressive GHG reductions are possible in non-center city, small and medium sized municipalities.

Establish a protocol for, and demonstrate the impact of, leveraging targeted state and federal support to provide capacity that enables small and medium sized municipalities take on leadership roles in achieving GHG reductions.

Establish, assess, and disseminate the specific replicable measures that lead to GHG reductions in small and medium sized municipalities, and that lead to GHG reductions among residents and businesses.

Quantify and document the results of the overall effort to enable future advancements.

**FOELL, Christen: National Bonner AmeriCorps Program - New Jersey State Commission on National and Community Service - 9/1/09-8/31/10:**

Faith and community-based agencies recruit and manage full and half time AmeriCorps members who assist in coordinating the AmeriCorps members from local colleges and universities. The NJBLP Program Director works to coordinate network-wide trainings, provide resources for trainings, and organize the “Seasons of Service” events. The New Jersey State Commission provides the NJBLP with additional opportunities for training that also reinforces our AmeriCorps members’ sense of belonging to a statewide and national service movement.

The campus-based corps at TCNJ share a similar program design. They have an on-site director who manages the program, supports the work of the members, and oversees their training. The directors meet with their entire corps weekly or bi-weekly during the academic year. Directors facilitate assessment of and reflection on member service through all corps meetings, team meetings and individual meetings. Directors also use these sessions to facilitate activities that build the skills necessary for effective service.

**GOEKE, Alison: Career & Technical Education Partnership – NJ DOE - 9/1/09-8/31/13:**

The proposed project by the Engineering Department at The College of New Jersey will implement a collaborative network of experienced and knowledgeable representatives from public education, business, industry, labor, and workforce development, and institutions of higher education to improve and refine teaching and learning in secondary and postsecondary career and technical education programs in New Jersey.
GREGA, Lisa: TCNJ ADVANCE Partnerships for Adaptation, Implementation, and Dissemination – NSF - 9/1/09-8/31/12:

The overarching goal of TCNJ’s Advancement Program (TAP) is to develop a comprehensive model for career development which would be integrated into the Center for Excellence in Teaching and Learning. This career development model will address three areas critical to facilitating advancement in academia: mentorship, professional development, and the existence of family-friendly policies. Our approach will be to partner with a proven leader in the field of gender equity, Hunter College. Hunter has an established record of developing effective programs which have improved the climate for the advancement of women in academic careers. A comprehensive program will be developed based on this partnership as well as the adaptation of successful initiatives from other funded ADVANCE programs.

GROSS, Jo-Ann: Iran and Beyond Year 2: Strengthening the International Studies and Foreign Language Curriculum in Middle Eastern and Central Asian Studies – US DOE - 7/1/09-6/30/11:

This project proposed by The College of New Jersey plans to prepare students to be leaders in the nation and the world by fostering interdisciplinary understanding, global awareness, critical thinking and humane values. The project will enhance TCNJ’s foreign language offerings through the addition of two upper level Arabic courses, completion of the new Arabic minor, and implementation of a two year program in Persian. The expansion of study abroad, strategic introduction of innovative technology for Persian language learning, and faculty development activities will enhance further development after completion of the project.

HADGE, Joe: ADEP Funding - J. Seward Johnson, SR. 1963 Charitable Trust - 7/1/09-6/1/11:

This proposal seeks funding for the hiring of two guest speakers for The College of New Jersey’s (TCNJ) Alcohol and Drug Education Program. Ms. Alyson Pompeo and Mr. Michael McNeil will speak to students through ADEP on the risks of alcohol and drug abuse.

HADGE, Joe: NJHTS Peer Institute – New Jersey Division of Highway Traffic Safety - 10/1/09-9/30/10

The College of New Jersey’s ADEP Program will continue to focus its efforts on the continuation of the Peer Institute, interpreting and learning how to use data to assist in planning, and integrating the nationally recognized, empirically supported, and indicated prevention program for high risk drinkers, entitled BASICS.
The College is also trying to develop programs with the TCNJ campus police force and Ewing Township Police Department to address alcohol and other drug related issues. This should be able to include workshops and alcohol training for local establishments, continued development of an educational and interactive learning program, and bringing dynamic and entertaining speakers to TCNJ to speak with students about alcohol and other drugs.

HADGE, Joe: NJ Higher Education Consortium Prevention and Reduction of Alcohol Abuse – US DOE - 10/1/09-8/31/11

Through ADEP staff and individual professional contracts, these funds will serve to fuel the recent TCNJ Alcohol Commission report to implement Environmental Management. This includes not only the immediate college community, but also the broader Coalition, that has been developed through the efforts of TCNJ ADEP. The report is in accord with the utilization of the specifically defined components of the Environmental Management mode, as defined by the grant, and that represents the next logical steps in program development for the TCNJ campus.

The funds will allow education to be intensified, time for staff outreach that will build relationships with state wide agencies and enhance the collaboration with local law and public safety departments, and funding for staff to attend training workshops and supplies for documentation.

HADGE, Joe: 2010 ABC (LLNB) Enforcing Underage Drinking Laws – Department of Law and Public Safety ABC - 6/1/10-5/1/11:

Funding for LollaNoBooza 2010.

HAGEDORN, Thomas: 2010 Garden State Undergraduate Mathematics Conference – National Security Agency - Mathematical Sciences Program - 9/1/09-8/31/11:

This grant will support the 2010 Garden State Undergraduate Mathematics Conference (GSUMC), an annual all-day mathematics conference in New Jersey for approximately 150 students and 30 schools from throughout the region. The GSUMC is organized by the New Jersey chapter of the Mathematical Association of America (MAA-NJ) and is held each year in conjunction with the MAA-NJ’s annual spring meeting.

The conference consists of a team mathematics competition, student talks, a student research poster session, and invited talks for students by professors nationally known for their expository abilities. It is expected that participation will increase to more than 150 students and involve over 30 faculties in the conference. We plan to increase the number of student research posters and talks presented to over 60 from the current 34 over the course of the next two years.
IRIGOIN, Maria Alejandra: Audrey Lumsden Kouvel Fellowship – The Newberry Library - 7/1/09-6/30/10:

Alejandra Irigoin received an Audrey Lumsden Kouvel Fellowship for 2009-10 to work at the Newberry Library in Chicago. This is a very prestigious award. Alejandra was in Chicago from mid August through December 2009 (fall semester). The $25,100 stipend went to TCNJ to defray the cost of salary and benefits from August 25, 2009-January 1, 2010, as the funds usually go to the home institution and the home institution continues to pay the salary and cover benefits.

KATZ, Allen: Innovative and Effective Techniques for Locating Underground Conduits - NJ Dept. of Transportation - 1/1/10-12/31/10:

Systematic, well designed research provides the most effective approach to solving many problems facing transportation administrators and engineers. Often, these problems are of local interest and can be best studied by transportation department individually or in cooperation with their state universities, or other institutions and commercial organizations. Occasionally, due to the size or regional or national nature of the problem, the NJDOT may utilize research contracts to perform regional or national pooled funded studies.

KRIMMEL, John: Responsible Fatherhood (Renewal) – NJDOC - 9/30/09-9/29/10:

The New Jersey Department of Corrections (NJDOC) is proposing to engage the spouse and/or children of offenders under its jurisdiction as allies in the end of the criminal and addictive lifestyle of their loved ones. The focus of the program will be an undeserved population, those who complete their sentence behind bars. The goal is relapse prevention and stable and healthy family relationships. Through family case managers, contact with the participating offender and his/her family prior to release will occur to establish the treatment plan and goals of the individual.

LEAKE, Donald: Capacity Building Model (Renewal) – NJ DOE - 9/1/09-8/31/10:

The New Jersey Department of Education (NJDOE) wishes to enter into a Memorandum of Understanding (MOU) with The College of New Jersey (TCNJ), which is a public institution of baccalaureate education, to provide a Professional Learning Community (PLC) for school leaders in the central counties of the state with the opportunity to improve their capacity to implement, sustain and achieve an effective school improvement process.
LI, Jikai: Develop a Community Scale Hurricane Resilience Model to Support Disaster Recovery - 9/1/09-9/1/10:

Jikai LI (Co-PI) is an assistant professor of computer science. He will supervise the design of an interactive online tool for scenario-basis analysis, contribute to prioritizing mitigation activities to enhance community resiliency, and optimize the use of disaster assistance to stimulate recovery process.

MORRISON, Janet: Gateway to Graduate School: Faculty/Student Collaboration in Environmental and Model Organism Biology – NSF - 5/15/10-5/14/15:

This project proposed by the Science Department at The College of New Jersey will provide early/sustained mentored research experiences to underrepresented students and the support necessary for their successful pursuit of graduate study. The program will increase the number of underrepresented Biology students who matriculate into graduate school by tightening the education gap that many underrepresented students face through a residential pre-college summer program, retain students in Biology and motivate them to pursue a research career through freshman year mini-rotations in a series of faculty/undergraduate research labs, followed by three years of sustained, increasingly collaborative, year-round research in one lab, during the summers in MUSE and for course credit during the semesters, develop confidence in scientific communication through workshops, student presentations at national/regional conferences and GGSB recruitment/celebration events, and writing for publication, nurture familiarity with the graduate school environment through group visits and seminars featuring underrepresented scientists from doctoral universities, and finally provide support during the graduate school application process through workshops and funding for a GRE prep course.

PETROFF, Jerry: Professional Services to Students with Deafblindness – NJ Commission on the Blind and Visually Impaired - 9/1/09-6/30/10:

The New Jersey Department of Human Services, NJ Commission for the Blind & Visually Impaired (CBVI) maintain a registry of students who are deafblind and provides a level of direct educational services to supplement the local school district mandated special education program. This Memorandum of Understanding outlines the continuation of work to be sub-contracted to The College of New Jersey regarding the provision of educational related services on behalf of and in accordance with the NJCBVI agreements with local school districts.

Activities identified as the critical components of this project are the fundamental contract services will be provided to each identified student requiring supplemental educational support and the mentorship and training given to the newly hired CBVA instructors.
The goal of the SSP-NJ at The College of New Jersey is to promote greater community integration for adults who are deaf-blind that meet the project criteria through the development and implementation of a statewide network of Support Service Providers (SSP). The objective is to develop and implement a referral system by the end of the first three months and an advisory council of individuals from the deaf-blind community within the first six months. Then it will implement on-going training programs for SSP candidates to develop skills sets for support providers and training programs for consumers who are deaf-blind on the proper use of SSP services.

The overall goal of this project is to develop and implement a system of evaluation to determine the level of SSP services needed to meet the individual needs of adults who are deaf-blind and implement a method of evaluating the effectiveness of the project to assess the level of success in promoting greater community integration of deaf-blind adults. Program Staff from TCNJ and the responsible project administrator from CBVI will meet monthly to review work progress and to delineate specific activities to develop system of services. Monthly meetings will promote greater communication between the agencies.

The New Jersey Commission for the Blind & Visually Impaired (NJCBVI) has recognized their dependence on out-of-state teacher preparation programs to employ trained and certified teachers. In concert with their mission to respond to the state needs of people who are blind and visually impaired, NJBVI is providing support to establish and in-state teacher preparation program at The College of New Jersey. This Memorandum of Understanding outlines the fiscal and program support for the implementation of a teacher preparation program that will be sustained by TCNJ as a collaborative initiative with the NJBVI.

Through the prism of French/Francophone cinema students will gather a better knowledge of the French-speaking world. This program will provide to students a view of the world alternative to their predominantly U.S. centric vision. This will also enhance enrollments in our French language programs, as well as similar related interests in history, politics, sociology and international studies as related to our understanding of the French-speaking world. This festival would also allow us to engage students in other schools such as art, business, communications, and sciences, depending on each film’s topic.
PULIMOOD, Monisha: CRI II-EN Enhancing Infrastructure for Computer Science Research and Pedagogy – 1/1/11-12/31/11:

In this proposal, we are requesting funds to procure equipment and supporting infrastructure for a computing research laboratory that will be used to continue research in grid computing and content management systems. This project has intellectual merit because it will provide the infrastructure needed for the PI to continue research in grid computing and content management systems. Both of these are areas of current cutting edge research. The PI’s focus is on making these technologies more accessible and relevant for undergraduate institutions. The underlying theme for the PI’s research is development of models, methodologies and tools to enable computational thinking, i.e. the use of computer science concepts and processes to discover innovative ways to address problems in a variety of domains beyond computer science. To this end, while the lab will be used primarily by the PI and her undergraduate research students, the proposed infrastructure and resulting research and tools will be made available to other faculty in computer science and other departments for research purposes as appropriate.

SALGIAN, Andrea: Giving the Maestro a Human Heart – NSF RUI - 7/1/09-6/30/12:

Faculty members from Computer Science, Music, Mechanical Engineering and Interactive Multimedia propose to create, evaluate, revise and repeat a two-semester multidisciplinary undergraduate research seminar at The College of New Jersey (TCNJ) for students from the Schools of Science, Engineering, and Arts & Communication, that fosters creativity, scientific methods, and computational thinking, by encouraging novel problem-solving approaches.

The goal of seminar will be to corroboratively design and build artificial systems that can not only conduct an orchestra, but also react and respond to the musicians. Its outcome will consist of systems will combine the physical arm movement of the robotic performance with animated visual displays that provide a feedback similar to the facial expression of a human conductor, thus giving the robotic conductor “a human heart”. We will teach undergraduate students two behaviors that have been previously tied to increased creativity: collaboration and computational thinking. The course setting will also be used to analyze the creative, collaborative and cognitive processes.

SCOTT, Nancy: Parent/Child Interactive Therapy – Mercer County Division of Mental Health - 7/1/2009-6/30/2011:

In August 2008 TCNJ, through its School of Education and community-based Clinic, invited key stakeholders within the Division of Youth and Family Services (DYFS) including: the Area Director for Mercer County, the Resource Specialists and the Team Leaders to participate in a conversation about the needs of children and families currently involved with child protective services. This discussion provided an opportunity to explore ways that the TCNJ Clinic might be able to provide therapeutic interventions and support to DYFS families in Mercer County.
TCNJ is seeking Mercer County funding to support the hiring and training of a part time clinician who will be able to provide Parent Child Interactive Therapy to Mercer County families experiencing significant parental stress and to those families already involved with the Division of Youth and Family Services (DYFS).

**SEPAPHOUR, Bijan: National Space Grant College and Fellowship Program - Academic Year Fellowships - NASA (Sub-award from Stevens Institute of Technology) - 9/1/09-6/30/10:**

This proposal is for the entrance in the running for a NJSGC award for a fellowship. The New Jersey Space Grant Consortium is funded by NASA, which requires it to track the progress and career path of our award recipients. The award will be used to give chosen students at The College of New Jersey (TCNJ) a space fellowship.

**SHENODA, Michael: Traffic Control and Work Zones Safety – NJ Dept. of Transportation - 7/1/09-7/1/10:**

The major goal of the project proposed by The College of New Jersey is to develop guidance for the practice of traffic maintenance and work zone setup for mobile operations on high-speed, high-volume roadways in the state of New Jersey. These objectives may be manifested as recommendations for changes to the current guidance used by NJDOT or an entirely new set of guidelines. Improving practicality and implementability and reducing cost are key objectives in crafting these guidelines.

Concerns should be considered in the development of the guidelines, such as the protection of workers and the public, all temporary traffic control measures should be in conformance with the MUTCD, control measures should consider all possible traffic hazards created by mobile operations, interference with traffic operations should be minimized, exposure time for traffic control devices should be minimized, setups requiring lane or shoulder closures should be avoided where possible, worker scheduling, including breaks and rotations, should be considered, control measures requiring lane and/or shoulder closures should be undertaken by maintenance crews, and the consideration of traffic design factors as for full-scale work zones should be made.

**WOLZ, Ursula: REU Supplement to an Existing Grant - Broadening Participation in Computing - NSF CSE - 6/1/10-5/1/11:**

In this project, a cohort of 18 demographically appropriate rising 8th graders will participate in a weeklong summer Interactive Journalism Institute. Selected teachers from their middle school partner with college undergraduates as Writer/Programmer mentors trained prior to the
institute. The mentors extend the institute as an after-school program during the following academic year. Predicted outcomes include increased skill in core computing concepts, increased awareness of requisite skills for computing careers, and increased enrollment in high school courses that lead to careers in computing.

The project has intellectual merit, because the thorough integration of computing and journalism creates a balanced collaboration between two well-established fields, rather than presenting a traditional perspective on computer science through its application to storytelling and multimedia. In addition it has broad impact because it will demonstrate how a dramatically different approach to exposing young people to computing can influence career path choice.

YAN, Karen: Design and Validation of a Dynamic Heart Phantom for Cardiac MR Imaging – American Society for Quality, Biomedical Division - 1/1/10-6/30/10:

Coronary artery disease is the leading cause of death in the United States in both men and women. With the advent of the technology in medical imaging, improved diagnostic medical imaging procedure can reduce the mortality. Among them, the application of cardiac Magnetic Resonance Imaging (MRI), a non-invasive procedure, has been expanded to determine diagnostic information on cardiac function. In this project, we propose to design and construct a dynamic heart phantom to generate more realistic motions that mimic those of the left ventricle during the cardiac cycle, including three translational motions, one rotational motion and pressure variation in the left ventricle. Once designed and constructed, the phantom will be tested and evaluated in the cardiac research facility at University of Pennsylvania.