



The following proposal was funded by the Consortium of Academic and Research Libraries in Illinois with the stipulation that participating institutions commit to circulate (including interlibrary loan) all materials purchased to all CARLI members.

Please disregard any language in the proposal that places limits on the circulation of materials.

Carol DeBiak
Science and Mathematics Librarian
Paul V. Galvin Library
Illinois Institute of Technology
35 West 33rd Street
Chicago, IL 60616
312-567-3372
debiak@iit.edu

Nestor L. Osorio
Science-Engineering Librarian
Founders Library 303
Northern Illinois University
DeKalb, IL 60115
815-753-9837
nosorio@niu.edu

Sandy West
Coordinator of Technical Service and Collection Management
Rend Lake College
468 N. Ken Gray Parkway
Ina, IL 62846
(618) 437-5321 ext 1249
wests@rlc.edu

Paul L. Anthony
Business & Engineering Librarian
Library & Information Services
Box 1063
Southern Illinois University Edwardsville
Edwardsville, IL 62026-1063
Phone: 618-650-3282
panthon@siue.edu

Deborah Blecic
Bibliographer for the Life and Health Sciences
Richard J. Daley Library
University of Illinois at Chicago
Box 8198 (M/C 234)
Chicago, IL 60680
312-996-2730
dblecic@uic.edu

Homeland Security: Scientific, Technical and Managerial Aspects of Disasters.

Introduction

The success of future disaster operations in the USA and the effectiveness of the programs for preparedness and response to natural or man-made calamities would in large depend on the implementation of new technologies, the training of personnel, and the planning and management of resources. In the complex socio-political system of today, a new dimension has been added to the problems facing the nation: disasters. The efforts made by the government, whether federal, state or local units, usually have the participation of many elements of society: safety and security personnel, the medical community, private industry, and others. An example of these efforts is the Biodefence Initiative, a program focusing on bioterrorism as an important public health priority and which also includes the protection of the nation's food, water supply, and their distribution systems.

The role of universities and colleges in disasters issues is also crucial: teaching, research and development, and training programs in areas related to national security and disaster management are an important part of maintaining the highest possible level of preparedness. The role of academic libraries in this process is to make collections available in support of these efforts.

Who Will Benefit?

Students, faculty, research staff, and library patrons from the participating institutions are the first to benefit from the resources acquired through this award. Since the materials will be available through the I-Share system, all institutions of the CARLI consortium with an interest in disasters technology and management can have access the materials utilizing interlibrary loan services. Communities throughout the entire state, as well as the state itself, will also benefit from easy access to the materials funded by this award. For example, a collection of practical manuals would be vital to support the training of police, fire and other emergency groups for disaster preparedness. For those involved in risk assessment, the research collection on the applied mathematics of calamities will be a valuable asset.

Cost and Funding Plan

The five institutions interested in this award are targeting specific areas as shown in the Table below. More detailed explanations of each individual request is found in the section on "Explanation of Requests for Expenditures".

Institution	Subject	Amount
College of DuPage	Practical materials for emergency preparedness	3,000
Eastern Illinois University	Large cities and bioterrorism	5,000
Illinois Institute of Technology	Applied mathematics in support of Homeland Security	4,000
Northern Illinois University	Engineering and technological developments for disasters operations	3,000
Rend Lake College	Crisis communication technology	2,000
Southern Illinois University, Edwardsville	Emergency management	2,250
University of Illinois at Chicago	Disaster medicine	5,000
	Total:	24,250

Plan of Operation

The process began by discussing with other librarians topics of common interest for collaborative collection building. Once the main topic was identified, the contact person for this award attended a training session. The members of the group communicated by electronic mail and the five initial members interested in this award made their initial proposal ideas more specific; two other members were added to the group later. Each library chose a focal topic to create a comprehensive collaborative collection within CARLI. The contact person posted an action schedule. The process of building the proposal was made interactive by posting a wiki specifically designed for this award.

Materials will be selected by participating institutions with assistance from faculty and staff of each institution. Once all materials are acquired and cataloged, they will be made available to all members of the CARLI consortium. Each institution will post a list of award funded materials on the project wiki, in respective institutional blogs, and newsletters.

Expandability/Adaptability of the Proposal

There has been an increased awareness in recent years about the risks that civil populations of the USA are exposed to on a daily basis from natural and man-made disasters. In addition to the efforts initiated at the federal government level; local governments (state, county, and municipalities) have been working on disaster preparedness as a priority item on their agendas. For example, training specialized personnel or creating proper lines of communication among different agencies is an issue. Private businesses are also involved, and citizens in general will continue to expect better preparedness and better responses when a disaster occurs. The role played by institutions of higher education, whether in training or research and development, will be crucial to the success of programs created. New technology for the mitigation of disasters will also be a key element to make society safer. The role of libraries is to provide citizens of the state with the best resources to prepare for and survive disasters. Therefore, the interdisciplinary

nature of issues concerning disaster technology and management will continue to be a reason for the expansion and adaptability of library collections.

Plan for Evaluation and Assessment

Each institution participating in this award is responsible for making the best usage of the funding obtained. But there are some basic principles all of them will use: 1. The award will be publicized through newsletters, blogs and other means of communication available in each library. 2. Each institution's library will consult with faculty members and staff about the selection materials that best serves the curriculum and research programs. 3. All materials obtained will be cataloged and made available to all members of the CARLI community. 4. A list of materials purchased will be distributed to interested groups at each institution. Comments about the materials obtained will be requested from the faculty and staff to generate feedback for final award reporting. 5. Circulation statistics will be obtained for the second year and the third year after award completion. A final report detailing the outcome of the grant award will be sent to the CARLI's Office of Collection Management by the fall of 2008. The host library will collect all the data from participating institutions. This data will also be considered for the expansion of the collections.

Explanation of Requests for Expenditures (by each Institution)

College of DuPage

Contact person: Daniel Blewtt

Homeland Security: Practical Materials for Emergency Preparedness

Amount requested: \$ 3,000

The Library requests \$3,000 to purchase books to support the library's collection for the topics of Homeland Security and Emergency Preparedness. This includes the sub-topics of natural disasters, man-made disasters, and terrorism. Current materials are needed to keep pace with the variety of potential threats; the rapid changes in information technology; and the evolving response strategies in public health and safety. The College is particularly interested in practical-use materials, those items that might be used in emergency situations.

College of DuPage offers two-year Associate of Arts majors in the fields of Criminal Justice, Fire Science Technology, Nursing, and Political Science, and sponsors the Suburban Law Enforcement Academy (<http://www.cod.edu/slea>), which trains professional police officers. Each of these programs may incorporate topics related to Homeland Security or Emergency Preparedness in its courses. The College's Public Safety Department is responsible for preparing the College for, and responding to, any kind of disaster or public safety threat. In addition, the College has been designated as a regional emergency staging area and command center. Finally, the College also houses the state's Homeland Security Procurement Technical Assistance Center (<http://www.cod.edu/BPI/hsptac.htm>). These programs demonstrate a need for practical as well as theoretical works on homeland security and emergency preparedness. It is important that a

variety of quality materials be readily available for use as a service to the broader public community as well as to the College's faculty and students.

The College of DuPage Library (<http://www.cod.edu/library>) contains over 200,000 volumes, offers access to many online databases, and provides unparalleled service to the residents and other libraries located within Community College District 502. As a regional leader, other libraries and government agencies rely on the breadth and depth of College of DuPage Library collections. The College of DuPage Library has reciprocal borrowing agreements with Elmhurst College, Benedictine University, North Central College, and Wheaton College, making it easy for their students and faculty to borrow materials from College of DuPage. The Library has also established a separate partnership with the Arlington Heights Public Library, Gail Borden Public Library in Elgin, Skokie Public Library, and the Elgin Community College. A union catalog of holdings of these institutions has been created, allowing for easier identification and sharing of materials among these libraries.

In January 2007, a bibliographic search was conducted of the OCLC WorldCat union catalog, combining the keywords of "Homeland Security," with a year restriction of 2000-2006, a language restriction of English only, excluding fiction, microform, juvenile books, theses and dissertations, congressional hearings, and looking only at the holdings of Aurora University, Benedictine University, College of DuPage, Elgin Community College, Elmhurst College, Harper Community College, Joliet Junior College, Judson College, Lewis University, Moraine Valley Community College, Morton College, North Central College, Oakton Community College, Waubonsee Community College, and Wheaton College. This returned 197 citations. (The phrase "National Security" was not used, as it is much too broad in scope.) A similar search using the keywords of "Emergency Preparedness or Crisis Management or Emergency Management" returned 445 citations. Finally, a similar search matching "Emergency or Crisis or Disaster" and "Handbooks or Manuals or Guide" returned 160 citations.

Research of these records indicates a need for additional current materials for community members, students and faculty. English-language materials will be the language of choice, while Spanish-language materials may also be considered where appropriate. For items of a general or theoretical nature, the College of DuPage Library will focus on titles not widely held in northern Illinois. Given the nature of the subject, duplication of practical materials held in other libraries is certainly acceptable. Should any disaster occur, then there would be an immediate need for such materials, and no time to wait for something to be transferred from another library.

Funds will be used for book purchases only. Funds will not be used for audiovisual materials, subscriptions to periodicals, online databases or processing fees. All items will be fully cataloged and listed in the Library's catalog and on the OCLC Worldcat international union catalog. All items not housed in the reference collection or on course reserve, will be available to all state residents through the standard interlibrary loan channels. Those items placed on reference or course reserve can be consulted by COD Library staff upon request by other Illinois librarians for information from these sources. Library patrons or students of the other colleges listed above can become College of DuPage Library borrowers if they reside within Community College District 502. Members of the general public who hold College of DuPage library cards will also

be able to borrow these materials. The Library will publicize the availability of these materials to the community, especially to the police, fire, and emergency management agencies. Circulation records for these items will be examined for indications of recorded use, the best measure available for evaluating usefulness of the materials.

Eastern Illinois University

Contact person: Johnson Kuma

Homeland Security: Large Cities and Bioterrorism

Amount Requested: \$ 5,000

Bioterrorism is the intentional use of biological agents such as bacteria, viruses or poisons to cause harm in people, animals and plants. The United States Department of Homeland Security was created after September 11, 2001 terrorist attack on the New York World Trade Center. As much as forty four billion dollars was allocated by the federal government through the Biodefense Initiative to develop new technologies to protect the environment and Americans against terrorism. Homeland security initiative and technology cover so many areas like defense, medical, and civilian populations. Security and safety issues include how to protect human exposure to airborne, waterborne and food borne pathogens. Anthrax spores, when released into large populations are estimated to not only cause catastrophic deaths but also enormous economic impact of \$26.2 billion per 100,000 persons that are exposed. It is for this reason that the Homeland security initiative was developed so as to increase public awareness and preparedness for attack in cities having large populations like New York, Houston, Chicago, Los Angeles, and Washington D.C. This proposal is a collaborative effort by CARLI members to seek funds to acquire materials that will be made available to scholars, students and the general public. The fund in this case will be used to purchase books and monographs that deal with the emerging pathogens which terrorists could use to attack our food, air and water supplies. These agents include pathogens like anthrax, salmonella, Escherichia coli, botulinum toxin and cholera. The table shows the result of searches for English books on the topics listed. Currently, our collection throughout the CARLI system is abysmally low on the topics compared to the literature available in World Cat, and we need to add more books to our collection.

Subject	Booth Library	I-Share	World Cat
Food and Bioterrorism	13	46	144
Water and Bioterrorism	6	13	41
Air and Bioterrorism	7	18	34
Bioterrorism and Homeland Security	16	52	128

Eastern Illinois University provides a comprehensive education at both graduate and undergraduate levels to students. The departments of Teacher Education, Biological Sciences, Industrial Technology and Family and Consumer Sciences provide courses that deal with these environmental pathogens. Some faculty have acquired grants for research in Homeland Security and the sciences dealing with the technology of bioterrorism. Booth Library actively supports faculty initiatives for teaching, learning and research at Eastern Illinois University.

As a member of CARLI, Booth Library is committed to sharing its resources with other members, including interlibrary loans and adheres to the CARLI policy of "Last Copy Guidelines." This means that all acquired books through this funding will be catalogued, reviewed and evaluated by means of collection analysis as requested by the grant coordinator. Booth Library is committed to continuous funding and increasing the collection in this vital area of Homeland Security, and will maintain an amount of \$5,000 or more research level.

Illinois Institute of Technology, Paul V. Galvin Library

Contact Bibliographer: Carol DeBiak

Homeland Security: Applied Mathematics in Support of Homeland Security

Amount Requested: \$ 4,000.00

Applied mathematics has played a critical role along with computational science in our nation's security. Mathematicians were employed in great number during World War II in the making and breaking of codes (cryptography and cryptanalysts) in which they had to utilize sophisticated mathematical ideas. This need expanded during the Cold War and later. The current information age has opened up extensive new areas for pure and applied mathematics research beyond just the area of cryptology. Huge amounts of data are produced and acquired by today's advances in telecommunications and computer science, but we need to analyze all this data to extract patterns, predicate behavior, etc. This gives rise to complex, new mathematical problems. "The biggest challenge facing this critical area is the need for improved methods to quickly and accurately analyze, organize and make sense of vast amounts of changing data." said Dr. Jeffrey W. Runge, Acting Under Secretary for Science and Technology (S&T). In July of 2006, The Department of Homeland Security (DHS) even selected of a team of four universities (the University of Illinois at Urbana-Champaign, the University of Southern California, the University of Pittsburgh, and Rutgers University as the coordinating affiliate) as centers to conduct research on advanced methods for information analysis and to develop computational technologies that contribute to securing the homeland.

The Illinois Institute of Technology (IIT) is both a research and teaching university and its Applied Mathematics Department was created to response to the new complex problems that are arising in science, engineering and society. The Paul V. Galvin Library is the main library at IIT and supports the research and the specific curricular goals at IIT. In books like "Bioterrorism: Mathematical Modeling Applications in Homeland Security", only selected views on the use of mathematical and computational approaches in homeland security are provided. These books are meant to inspire and promote additional research at the interface of homeland security and the

mathematical sciences. For example in the detection and epidemiology of bioterrorist attacks, the development of mathematical models of how diseases are spread (variations of applied calculus) and other lines of mathematical research are needed. The Paul V. Galvin Library is especially interested in supporting resources in these core areas of applied mathematics that can be used by Illinois mathematicians to solve real-world problems that may arise in homeland security. The areas that we will be collecting will be related to mathematical modeling, applied analysis, statistical and computational mathematics, discrete applied mathematics, and stochastics. Since they can pertain to many areas beyond homeland security, these subject areas have been of interest for both teaching and research at IIT. We will therefore continue to strongly support these areas of applied mathematics in the future. Since this also supports established curricular goals at IIT, we will continue to purchase in this area. We will use various resources such as WorldCat and I-Share to find out how widely various titles are held and if they circulate.

A subject search for "Mathematical models" in WorldCat for the publication years 2000-2007 found 17,434 matches while a search for the subject heading in I-Share for the same years only found 82 books. This was due to the phrase, mathematical models, being appended to larger variety of subject headings in WorldCat. When I performed an advanced search in I-Share for the phrase, mathematical models, within the subject heading for the publication years 2000-2007, I found a more representative number of books. To be consistent, I used this method for all the searches on significant subject headings whose results are listed in the table below.

Comparison of Titles Available in WorldCat and I-Share^[1]

<u>Subject Heading</u>	<u>Titles in WorldCat</u> (2000-2007)	<u>Titles in I-Share</u> (2000-2007)	<u>% of Total</u> <u>Titles</u> <u>in I-Share</u>
Mathematical models	17,434	2,795	16.0%
Game theory	823	171	20.5%
Prediction theory	54	9	16.7%
Numerical analysis	1,549	218	14.1%
Mathematical analysis	471	234	49.7%
Combinatorial analysis	309	134	43.4%
Stochastic analysis	260	103	39.6%
Stochastic processes	646	233	36.1%
Markov processes	466	72	15.4%
Monte Carlo method	603	68	11.3%
Stochastic models	14	6	42.9%

The table indicates that Illinois I-Share libraries may only have ready access to less than 1/5 of the basic current titles in these pertinent growing subject areas of mathematics. In all cases Illinois I-Share libraries had ready access to less than half the titles listed nationally for WorldCat. These topics also have become a high demand area as well. I have personally noted that many of these titles that are technically in Illinois collections were frequently already checked out. They also may only be available at one or two universities statewide. There is a

specific need for shareable resources in these fields. If award monies are received the Paul V. Galvin Library agrees to share all items purchased. Items purchased will thus be monographic circulating items.

The Illinois Institute of Technology agrees to cover the costs of processing, equipment for housing, cataloging, and maintenance of materials purchased with CARLI Collections Enhancement Awards Program funds. The Paul V. Galvin Library agrees to file any necessary reports to the Computer Science Partnership lead as well as the CARLI Collections Enhancement Awards Program.

As Homeland Security becomes a high priority in the U.S., it is once again looking to the mathematical community for assistance in the new struggle, the international War on Terror.

[1] Numbers were taken from WorldCat and I-Share on 2/26/07

Northern Illinois University

Contact person: Nestor Osorio

Homeland Security: Engineering and technological developments for disasters operations.

Amount Requested: \$ 3,000.00

Northern Illinois University is the leading state institution of higher education in the northern part of the state. Our service area extends from the Mississippi river on the west to the western suburbs of Chicago in the east; and from Interstate 88 to the Wisconsin state line. It is a region with solid industrial base and an expanding economy. NIU Libraries contains the most extensive collections of scientific and engineering resources in the region.

NIU is the recipient of a federal grant that has created a graduate certification program on Homeland Security with particular emphasis on technological and scientific aspects. NIU also has undergraduate and graduate programs in engineering, engineering technology, chemistry, physics, biology, geological sciences, computer science and mathematics all of them making contributions to our Homeland Security program. The purpose of this program is to train the personnel necessary to intervene in emergency situations due to disasters.

In order to determine the state of Illinois collections, a very basic search in I-Share was done using "Any Words" for the terms listed in the table below and limiting the search to "Books" in English published after 1999. These are the results:

WITH	Equipment AND Security. I-Share / WorldCat	Technology AND Security. I-Share / WorldCat	Equipment AND Emergency. I-Share / WorldCat	Total I-Share / WorldCat
Airports	8 / 23	11 / 28	2 / 2	21 / 53
Bacterial	0 / 0	0 / 2	0 / 0	0 / 2
Biochemicals	0 / 0	0 / 0	0 / 0	0 / 0

Bombs	3 / 2	1 / 10	0 / 1	4 / 13
Chemicals	1 / 3	3 / 9	11 / 15	15 / 27
Containers	1 / 7	1 / 6	0 / 3	2 / 16
Disaster	3 / 22	17 / 50	28 / 44	40 / 116
Disasters	4 / 5	4 / 19	7 / 17	15 / 41
Earthquakes	1 / 0	0 / 1	0 / 1	1 / 2
Emergency	20 / 49	52 / 118	-	72 / 167
Explosives	5 / 5	7 / 10	1 / 5	13 / 20
Fires	1 / 2	3 / 2	18 / 15	22 / 19
Floods	0 / 0	0 / 3	1 / 1	1 / 4
Nuclear	6 / 23	13 / 133	4 / 24	23 / 180
Ports	3 / 2	9 / 34	3 / 1	15 / 37
Terrorism	0 / 53	205 / 363	21 / 43	226 / 459
Trains	1 / 1	0 / 0	0 / 1	1 / 2
Transportation	19 / 33	91 / 137	41 / 35	151 / 205
Virus	0 / 0	13 / 16	0 / 2	13 / 18

Assuming that each record is unique, the grand total is only 635 in the I-Share system. The results of this search are not conclusive but they are an indication of the resources available state-wide related to technology and equipment in emergency situations. A similar search performed in WorldCat using “Keywords” gives a total of 1,387 titles. Therefore, it is an indication that more resources are needed in our collections.

The materials acquired will benefit students, faculty members and staff involved in the programs mentioned above. It will also be available to any other agencies or institutions requiring these type of specialized materials.

All materials obtained will be cataloged and made available to all the other libraries in the state. A report of circulating usage will be produced each year, and an evaluative report will be sent to the CARLI collections office. NIU will continue acquiring materials on this topic on a regular basis and for the years to come. The university's safety program within the department of engineering technology has been training safety personnel for more than 30 years. The amount requested is: \$ 3,000.

Rend Lake College, Learning Resource Center

Contact: Sandy West

Subject Focus: Homeland Security Crisis Communication Technology

Amount Requested: \$ 2,000

Rend Lake College (RLC) is a small community college (2,082 FTE) in rural southern Illinois. The college’s 1,985 square-mile district encompasses portions of eight counties: Franklin, Hamilton, Jefferson, Perry, Wayne, White, Washington and Williamson. The district includes one city with a population greater than 7,500 and eight communities with more than 1,000

residents. Approximately half of the district's residents live in rural settings or in small, unincorporated communities. Rend Lake College maintains an open-door admission policy to provide access to higher education for all individuals who can benefit from its comprehensive program regardless of their economic status.

Rend Lake College is currently working to develop the curriculum for a certificate program in Homeland Security. Specifically, this program concentrates on training individuals as "crisis communication technicians" as they fit into the overall spectrum of Homeland Security. Participants in the new certificate program will learn to set up communications between various crisis management agencies during a disaster by using mobile cell towers, microwave, wi-fi, GPS, and T-3/wireless methods. The new certificate program is being developed in conjunction with the college's existing A.A.S. Wireless Communication and Technology program. Rend Lake College is working with the ITTF (Illinois Anti-Terrorism Task Force) and IEMA (Illinois Emergency Management Agency) to help the program become DHS (Department of Homeland Security) certified. Future plans include gaining approval for an Associate degree in Crisis Communication from the ICCB (Illinois Community College Board).

Since this is a new program, the Learning Resource Center (LRC) has no existing collection of materials to support the discipline. Award funds would be used to purchase materials in the area of homeland security communications including books and DVDs. Although materials will be selected primarily to serve our target audience of undergraduate students, district residents and patrons of other libraries in Illinois will benefit from the addition of new resources and materials. The Learning Resource Center plans to maintain and expand its collection to support teaching and learning of homeland security with institutional funds by allocating a portion of the annual budget to collect in this discipline as it relates to basic wireless communication technology. The LRC follows a collection management plan which outlines criteria for annual weeding and collecting in specific Dewey classifications. During the next collection cycle, the LRC's focus includes the Dewey classification of these materials.

The LRC seeks input from faculty directly involved in the Homeland Security Crisis Communication Technician program for titles that support instruction. With rapid advancement in technology, the LRC continues to update materials in a timely fashion to ensure the collection stays current and relevant to the program. This collection project could be extended in future to continue in the areas identified at this time, or expanded to encompass new and emerging areas of technology and academic interest. The Learning Resource Center participates in interlibrary loan activities through I-Share, allowing two and four year schools to share resources which would otherwise be cost prohibitive to purchase or unattainable through normal channels.

The LRC evaluates circulation usage statistics at the end of each award cycle to report how these new materials are utilized. Promotion of this award, if funded, will be conducted utilizing a bibliographic list linked from/to the LRC's library web page and announced through the Rend Lake College's blog.

Subject Headings	All World Cat Libraries	I-Share	RLC	RLC % of I-Share
Homeland Security and communications	8	0	0	0%
wireless communication systems	2,511	661	3	0.5%
crisis communication technology	3	1	0	0%
wireless and communication and security	5	3	0	0%
Search limited to print and visual material, not juvenile or fiction, published between 2002-2007				

Southern Illinois University Edwardsville

Contact person: Paul Anthony

Homeland Security: Emergency Management

Amount Requested: \$2,250

Southern Illinois University Edwardsville (SIUE) provides the principal higher education presence in Southwestern Illinois. Situated also in the eastern portion of the St. Louis Metropolitan area, SIUE has a current enrollment of around 11,200 students (FTE). The University's Lovejoy Library holds about 850,000 volumes, some 1.6 million microform units, and serial subscriptions in paper, microform, and electronic formats numbering some 20,000 titles.

Current library holdings at SIUE in the general category of emergency management are 238 book titles published from 2000 and onwards. A good many of these, however, are U.S. and state documents. Statewide holdings for the same number 818 at present, while available titles in OCLC's WorldCat number somewhat over 4,000, for the same date parameters, format book, English language, and non-fiction, non-juvenile works.

A bibliographic search in February, 2007, of the worldwide OCLC *WorldCat* database revealed some 1,597 English book titles published between 2000 and 2007 on the subject, "emergency management." This search excluded, of course, any fiction or juvenile works and also was constructed to "not out" any government documents and dissertations. Of this 1,597 set, 234 titles were held in I-Share libraries, with only 26 held at SIUE. An additional search, with the same limiting parameters, on the subject, "disaster relief," revealed 703 book titles, with only 108 held in I-Share and only 9 at SIUE.

These two bibliographic searches provide some indication of both the availability of and need for additional monographic resources on emergency/disaster management in both the broader Illinois library collection and also in the Southwestern Illinois location of SIUE.

The University offers undergraduate and master's level programs in general business administration and management, environmental science, and civil engineering, as well as bachelor's degrees in construction management, and industrial and manufacturing engineering. All of these programs would significantly benefit by enhanced information materials dealing with various managerial aspects of emergencies and disasters.

Funds received would be utilized for book purchases only. All materials obtained would be cataloged in I-Share and made available to all other libraries in the state. Lovejoy Library would publicize the availability of the new materials to the SIUE community both through our regular acquisition listings and through specific PR announcements to relevant academic departments. Assessment of the benefit of these augmented holdings in emergency management would be ascertained by an examination of the circulation records for these items. An evaluation report would also be submitted to CARLI. SIUE also would commit to continue acquiring relevant materials on this subject in the years ahead. The amount requested is \$2,250.

University of Illinois at Chicago

Contact Bibliographer: Deborah Blecic

Homeland Security: Disaster Medicine

Amount Requested: \$ 5,000

Disaster Medicine encompasses a wide variety of natural disasters, epidemics and infectious diseases, and terrorism. Threats have become more apparent in recent years as evidenced by Hurricane Katrina, SARS, bird flu, Ebola, Marburg, and the possibility of terrorist attacks in our cities.

UIC has six health sciences colleges: Medicine, Nursing, Public Health, Applied Health Studies, Dentistry, and Pharmacy. UIC joins in this partnership to strengthen the resources of CARLI in the broad area of disaster medicine. UIC will focus on those areas not covered by the other participants of this partnership, or in other words cover disaster medicine in its wide variety except for emergency preparedness handbooks, emergency management, and bioterrorism in large cities.

UIC subject areas covered will include the following:

Epidemics: preparedness for influenza (including bird flu), SARS, and emerging natural highly contagious pathogens, including the medical management, vaccines and drugs.

Public Health systems and management for disasters, including preventive medicine, vaccine policy, drug distribution

Hospital preparedness for disasters

Health Policy and disasters

Disaster medicine for terrorist attacks that are not biological in nature, as well as aspects of bioterrorism and health not covered by other participants

A search for English language books with the subject heading disaster medicine, from the years 2003 to 2007, found 571 available titles in Worldcat but only 53 holdings in I-Share. This grant will enable UIC to strengthen the collective holdings of CARLI libraries in this vital discipline. UIC will share all acquired materials through the I-Share catalog, and will maintain the collection and expand upon it in future years for the benefit of all CARLI members.