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Engineering Resource Center Records

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Engineering Resource Center Records

Finding Aid

South Dakota State University Archives and Special Collections
Briggs Library (SBL) Room 241 Box 2114
1300 North Campus Drive
Brookings, SD 57007
Phone: 605-688-5094
Email: arcrefs@sdstate.edu

Collection Summary

Identifier

UA 8.5

Title

Jerome J. Lohr College of Engineering. Engineering Resource Center Records

Creator

Engineering Resource Center, Jerome J. Lohr College of Engineering, South Dakota State University

Dates

1963-2008

Extent

1.0 linear feet -- 1 records center box

Language

English

Repository

South Dakota State University Archives and Special Collections, Hilton M. Briggs Library, Brookings, South Dakota.

Access note

This collection is open to researchers without restrictions. The materials in the Archives do not circulate and may be used in-house only.

Preferred Citation

Name of item. Jerome J. Lohr College of Engineering. Engineering Resource Center Records. UA 8.5. South Dakota State University Archives and Special Collections, Hilton M. Briggs Library, Brookings, South Dakota.

Abstract

The Engineering Resource Center, established in 1986, exists to serve the university, citizens, and industry in South Dakota. The collection is composed of material generated by programs within the Engineering Resource Center: Office of Remote Sensing, South Dakota Space Grant Consortium, South Dakota Local Transportation Assistance Program, University/Industry Technology Service, Publications, and Essential Networking and Training for Entrepreneurship.

Historical Note

The Engineering Resource Center, established in 1986, exists to serve the university, citizens, and industry in South Dakota. Complementary outreach and/or technology transfer programs combine to make up the center. Thus, the knowledge gained from one program often supports or strengthens another program. The programs are: 1) Engineering Extension; 2) Office of Remote Sensing; 3) South Dakota Space Grant Consortium; 4) South Dakota Local Transportation Assistance Program; 5) University/Industry Technology Service; 6) Manufacturing Extension Partnership; and 7.) Essential Networking and Training for Entrepreneurship.

The Engineering Resource Center may undertake projects directly or use project teams composed of students, university faculty, and non-university experts. These teams may be discipline-specific or interdisciplinary. The center has an on-line expertise database to identify potential faculty and industrial consultants. Another database contains information on the manufacturers and processors in South Dakota.

Arrangement

This collection is arranged into six series:

Series 1. General records

Series 2. Office of Remote Sensing

Series 3. South Dakota Space Grant Consortium

Series 4. South Dakota Local Transportation Assistance Program

Series 5. University/Industry Technology Service

Series 6. Essential Networking and Training for Entrepreneurship Program [ENTRE]

Contents Note

This collection is composed of material generated by programs within the Engineering Resource Center: Office of Remote Sensing, South Dakota Space Grant Consortium, South Dakota Local Transportation Assistance Program, University/Industry Technology Service, Publications, and Essential Networking and Training for Entrepreneurship.

Series 1. General records.

The General Records consist of items published by the Engineering Resource Center. Folders contain newsletters and a faculty expertise directory.

Series 2. Office of Remote Sensing.

The Office of Remote Sensing was established in 1969 as the Remote Sensing Institute. Senator Karl Mundt was instrumental in bringing the program to South Dakota. It is funded by both state and federal funds. Its purpose is to use multispectral remotely sensed imagery and geographic information systems for natural resource studies and mapping projects in South Dakota and throughout the world. This series is composed of correspondence, newsletters, brochures, reports, photogrammetry images and pocket stereoscopes. The pocket stereoscopes are used in reading the photogrammetry, or aerial photographs.

Series 3. South Dakota Space Grant Consortium.

The South Dakota Space Grant Consortium is a program funded in part by the National Aeronautics and Space Administration. Consortium members are South Dakota State University, South Dakota School of Mines and Technology, Augustana College and the EROS Data Center. Goals of the Consortium are to create an enthusiasm for aerospace science among students and faculty and to encourage them to pursue careers in related fields. This series is composed of newsletters, research award announcements, and applications and information

pertaining to faculty, graduate and undergraduate assistantship awards.

Series 4. South Dakota Local Transportation Assistance Program.

The South Dakota Local Transportation Assistance Program assists local governments with technology and information needed to operate their transportation related agencies. This series is composed of newsletters, brochures, catalogs, and special bulletins.

Series 5. University/Industry Technology Service.

The University/Industry Technology Service links university resources to industry, business and government to solve technological problems and enhance economic development in South Dakota. This series consists of brochures and programs from symposiums hosted by the University/Industry Technology Service.

Series 6. Essential Networking and Training for Entrepreneurship Program [ENTRE].

The Essential Networking and Training for Entrepreneurship [ENTRE] program provides training for people who may have an interest in pursuing entrepreneurial opportunities. This is an intensive 10-session course that allows participants to test and research their business ideas. The mission of ENTRE is to foster and promote entrepreneurship and economic development in the state and to develop programs for the general business community or various specialty groups. This series consists of a newsletter and a brochure outlining the ENTRE program.

Key Words

Aerial photographs

ENTRE (Essential Training and Networking for Entrepreneurship)

Photogrammetry

South Dakota Local Transportation Assistance Program

South Dakota Space Grant Consortium

South Dakota State University -- Engineering Exploration Days

South Dakota State University. Engineering Resource Center.

South Dakota State University. Office of Remote Sensing.
University/Industry Technology Service

Administrative Information

Conditions Governing Access

This collection is open to researchers without restrictions. The materials in the Archives do not circulate and may be used in-house only.

Researchers conducting extensive research are asked to make an advance appointment to access archival material. Please call or e-mail prior to visiting the collection and indicate as much detail as possible about a particular topic and intended use.

South Dakota State University supports access to the materials, published and unpublished, in its collections. Nonetheless, access to some items may be restricted as a result of their fragile condition or by contractual agreements with donors.

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Arranged and Described by

Crystal J. Gamradt, 1999 March 3, additions made August 19.

Container List

Series	Box	Folder	Description	Date(s)
1. General center records	1	1	Engineering Research Bulletin (newsletter)	1989-1993
1. General center records	1	2	Faculty Expertise Directory	1993
1. General center records	1	3	Infogram (newsletter)	1988-2000

Series	Box	Folder	Description	Date(s)
2. Office of Remote Sensing records	1	4	Aerial Thermography (brochure)	1977
2. Office of Remote Sensing records	1	5	GIS news in South Dakota (newsletter)	1991
2. Office of Remote Sensing records	1	6	Multidisciplinary team building for issues in sustainable agriculture and natural resources development (memorandum)	1988
2. Office of Remote Sensing records	1	7	Narrative Progress report	1970-1972
2. Office of Remote Sensing records	1	8	Photogrammetry Images - Airports	1970, undated
2. Office of Remote Sensing records	1	9	Photogrammetry Images - Bemidji, Minnesota	1967
2. Office of Remote Sensing records	1	10	Photogrammetry Images - Big Bend on Missouri River (SD) and dam	1965
2. Office of Remote Sensing records	1	11	Photogrammetry Images - Meriden, Connecticut	1965
2. Office of Remote Sensing records	1	12	Photogrammetry Images - Missoula, Montana	undated
2. Office of Remote Sensing records	1	13	Photogrammetry Images - Rough farmland and trees	undated
2. Office of Remote Sensing records	1	14	Photogrammetry Images - SDSU campus and Brookings, SD	1963, 1980
2. Office of Remote Sensing records	1	15	Photogrammetry Images - Sisseton, SD and Pierre, SD	1970, undated
2. Office of Remote Sensing records	1	16	Photogrammetry Images - Thebes, Illinois	1964
2. Office of Remote Sensing records	1	17	Remote Sensing Institute (brochure)	1970
2. Office of Remote Sensing records	1	18	Remote Sensing Institute newsletter	1970-1982
2. Office of Remote Sensing records	1	19	SADE (Signal Analysis and Dissemination Equipment) (reprint article)	1972
2. Office of Remote Sensing records	1	20	Soil texture, soil slope and soil test results on the	1974 circa

Series	Box	Folder	Description	Date(s)
			ERTS mosaic of South Dakota (pamphlet)	
2. Office of Remote Sensing records	1	21	TM Pocket Measuring Stereoscope (Zeiss) (2 artifacts)	undated
2. Office of Remote Sensing records	1	22	TM Pocket Stereoscope (Zeiss) (2 artifacts)	undated
2. Office of Remote Sensing records	1	23	Visiting International Scientist Program (brochure)	1975 circa
2. Office of Remote Sensing records	1	24	Visiting International Scientist Program report	1981
3. South Dakota Space Grant Consortium records	1	25	EROS Summer Faculty Research Award, Undergraduate Research Award, Graduate Assistantship (announcement)	2000
3. South Dakota Space Grant Consortium records	1	26	Faculty Summer Research Program (application, information)	1993, 2000
3. South Dakota Space Grant Consortium records	1	27	Graduate Assistantships (application, information)	1998-2002
3. South Dakota Space Grant Consortium records	1	28	Reaching Out (newsletter)	1993-1998
3. South Dakota Space Grant Consortium records	1	29	Undergraduate Research Awards (application, information)	1998-2001
4. South Dakota Local Transportation Assistance Program records	1	30	Connection, The (newsletter)	1988-1995
4. South Dakota Local Transportation Assistance Program records	1	31	Connection, The (newsletter)	1996-1999
4. South Dakota Local Transportation Assistance Program records	1	32	Connection, The (newsletter)	2004, 2005, 2007-2008

Series	Box	Folder	Description	Date(s)
4. South Dakota Local Transportation Assistance Program records	1	33	Metric Highway Maintenance Tables (inspection guide)	1997
4. South Dakota Local Transportation Assistance Program records	1	34	Printed Materials Catalog	undated
4. South Dakota Local Transportation Assistance Program records	1	35	Roads Scholar Program (workshops, brochure)	undated
4. South Dakota Local Transportation Assistance Program records	1	36	South Dakota Local Transportation Assistance Program (brochure, info sheet)	1998, undated
4. South Dakota Local Transportation Assistance Program records	1	37	T3S Special Bulletin Series, no. 3-34, 38	1992-1999, 2007
4. South Dakota Local Transportation Assistance Program records	1	38	Traffic Control Practices for Low Volume Local Roads	1993
4. South Dakota Local Transportation Assistance Program records	1	39	Video catalog	undated
5. University/Industry Technology Service	1	40	Symposium - Engineering Exploration Days (brochure)	1990
5. University/Industry Technology Service	1	41	Symposium - Sioux Empire Quality Symposium: Total Quality Management (programs)	1989
6. Essential Training and Networking for Entrepreneurship	1	42	ENTRE brochure	1999
6. Essential Training and Networking for Entrepreneurship	1	43	ENTRE newsletter	1996-1997