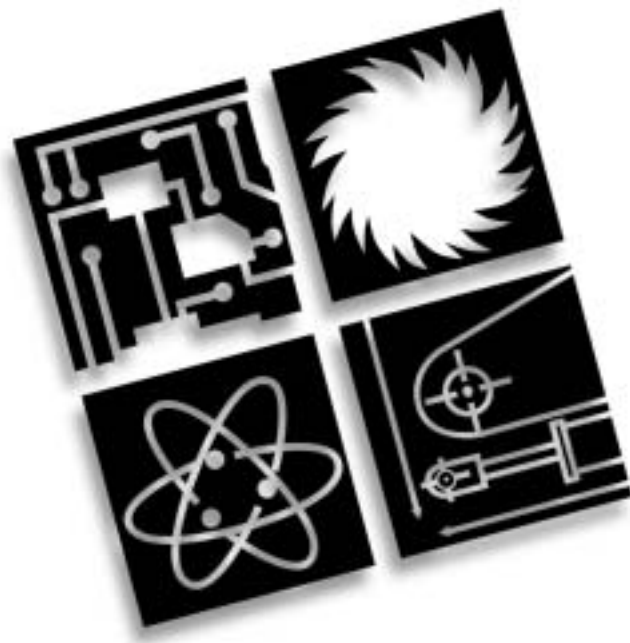


FACULTY RESEARCH INTEREST DIRECTORY 2001 - 2002



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AND ENGINEERING

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2001-2002

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Faculty Research Interest Directory

College of Science and Engineering

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Including description and contact information	

Building Codes

BH	Brown Hall
ECC	Engineering and Computing Center
HH	Headley Hall
MC	James W. Miller Learning Resources Center (library)
MS	Mathematics and Science Center
SH	Stewart Hall

Keyword Index

“Academe Needs More Leaders of Asian-Pacific Heritage,” The Chronicle of Higher Education, April 23, 1999

Roy Saigo

abstract algebra

Dominic Naughton

aeronautical systems

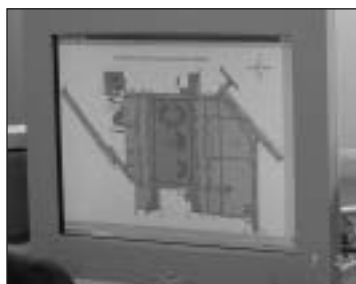
Chris Phinney

affordable housing

Kurt Helgeson

air traffic control

Patrick Mattson



airport

Patrick Mattson

aldehyde dehydrogenases

Lakshmaiah Sreerama

algebra

Dale Buske

Sandra Zaroodny Keith

algorithms

Pranava Jha

Sarnath Ramnath

American Association of State Colleges and Universities Board of Directors

Roy Saigo

analog and digital communications

Yi Zheng

analysis

Dale Buske

analytical chemistry

Michael Jeannot

anatomy

Heiko Schoenfuss



applied experimental design

Mary Evenson

applied mathematics

Mohammed Bahauddin

applied statistics

Byron Gajewski

appropriate technology

Michael Karian

aquatic ecology

Matthew Julius

aquatic insects

Ralph Gundersen

aquatic toxicology

Heiko Schoenfuss

archaeoastronomy

Mark Nook

artificial intelligence

Kkamal Hammouda

artificial life

Theresia Fisher

assessment

Sandra Zaroodny Keith

Anthony E. Schwaller

astronomy

Planetarium and Observatory

astronomy education

Mark Nook

astrophysics

Planetarium and Observatory

asynchronous

Jie Hu

ATC

Patrick Mattson

atmosphere

Gregory Nastrom

automata theory

Pranava Jha

automorphic form

Jeff Chen

aviation

Steven L. Anderson

Patrick Mattson

Chris Phinney

aviation education

Robert I. Aceves

aviation history

James Goke

aviation safety

Robert I. Aceves

Steven L. Anderson

bakery goods product development

Mary Evenson

basin and range tectonics

Alfred Pekarek

bayesian data analysis

Byron Gajewski

behavioral ecology

Anthony Marcattilio

bibliographic database

Herbarium

bioactivity

Mohammad Mahroof-Tahir

biodiversity

Sandra J. Turner

bioinorganic chemistry

Mohammad Mahroof-Tahir

Biology: A Personalized Approach (activity-based high school biology textbooks) co-authored 1989

Roy Saigo

birds

William Faber

bootstrap

David H. Robinson

cancer biology

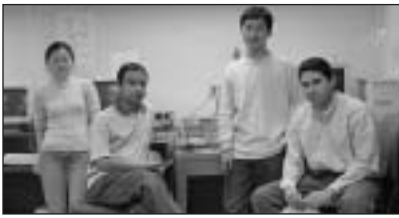
JoAnn Meerschaert

Timothy J. Schuh

- cancer chemotherapy**
Lakshmaiah Sreerama
- carcinogenesis/chemoprevention**
Lakshmaiah Sreerama
- categorical data analysis**
Hameed Bayo Lawal
- cell biology**
JoAnn Meerschaert
Timothy J. Schuh
- cell migration**
JoAnn Meerschaert
- chemical composition of comets**
Maria Womack
- child health**
Susan Johnson Warner
- circadian/jet lag**
Robert I. Aceves
- circumstellar polarization**
Mark Nook
- client/serve**
Computer Network Research Center
- climate**
Robert Weisman
- climate dynamics**
Tony Hansen
- clinical laboratory science**
Allied Health Programs - Medical
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Technology
- collections**
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- combinatorial optimization**
Bryant Julstrom
- communications**
James A. Nicholson
- computability theory**
Stephen Walk
- computational chemistry**
Daniel Gregory
- computational geometry**
Sarnath Ramnath
- computational information retrieval**
Andrew Anda
- computer applications**
Sura Lekhakul
- computer architecture**
Jayantha Herath
- computer design**
Sura Lekhakul
- computer ethics**
Theresia Fisher
- computer graphics**
Sarnath Ramnath
- computer networking**
Richard Mowe
- computer science**
Ralph W. Carr
- computer science education**
Richard Mowe
- computer security**
Computer Networking and
Applications
- computer vision/image processing**
Kkamal Hammouda
- computer-aided design**
James A. Nicholson
- computers with internet access and
office amenities**
Alumni/Emeriti Center
- computing networking, computer
security**
Computer Network Research Center
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Jorge Arriagada
- construction**
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- 
- contemporary teaching strategies**
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research**
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Mohammad Mahroof-Tahir
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- crystallography**
Nathan Winter
- cylindrical grinding**
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- data analysis**
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Statistical Consulting Center
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- deep ecology**
Michael Karian
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Jack McKenna
- density estimation**
David H. Robinson
- designing surveys or questionnaires**
Statistical Consulting Center
- development**
Development Center
- development of mesoscale weather
system**
Ming Xiao
- developmental biology**
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Mohammad Mahroof-Tahir
- diagnostic imaging**
Michael Garrity
- diatom(s)**
Matthew Julius
- differential and integral equations**
Ralph W. Carr

Keyword Index

digital signal processing
Yi Zheng



Dimensions news journal
Development Center

discontinuous dynamical systems
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discrete computational structures
Gary D. Buls

discrete mathematics
Daniel J. Scully

disk drive technology
Peter George

dissemination of research information
Applied Research Center

distributed computing
Jayantha Herath

**drug metabolism/
resistance/proteomics**
Lakshmaiah Sreerama

dynamic meteorology
Tony Hansen

eco morphology
Heiko Schoenfuss

ecopsychology
Michael Karian

education
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Chris Phinney
Sr. Del Marie Rysavy

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Robert I. Aceves

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James Goke

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Kevin Haglin

electronic circuit design
Peter George

electronic material design
Peter George

energy technology
Anthony I. Akubue
Anthony E. Schwaller

entomology
Standley E. Lewis

environmental and technology education
Balsy Kasi

environmental education
Michael Karian

ergodic theory
Danrun Huang

ethno botany
Jorge Arriagada

evolution
John C. Cronn
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evolutionary computation
Bryant Julstrom

experimental design
Hameed Bayo Lawal

experimental methods
Steven J. Covey
Kenneth Miller



experimental use of greenhouse
Greenhouse

extended shelf-life of bakery products
Mary Evenson

faculty and student research and activities
Applied Research Center

faculty research interest directory
Applied Research Center

faculty, student and staff awards
Applied Research Center

feeding ecology
William Faber

financial management and investment
Balsy Kasi

finite element methods
Steven J. Covey

fish ecology
Steven F. Williams

flight
Chris Phinney

flight training
Steven L. Anderson



floristics
Jorge Arriagada

foraging and food preferences in animals
Anthony Marcattilio

forecasting
Robert Weisman

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Brown Hall Museum

fractional calculus
Ravindra Nath Kalia

freshwater ecology
Neal J. Voelz

freshwater invertebrates
Neal J. Voelz

frozen dough product development
Mary Evenson

functional analysis
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geometry
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Development Center

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Greenhouse

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Herbarium

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human factors
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hybrid dynamical systems
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JoAnn Meerschaert

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instrumentation
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integral transforms and equations
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integrated circuits
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Allied Health Programs - Medical
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Allied Health Programs - Medical
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meeting area for business, social, or research activities

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meteorology

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Robert Weisman

microbial physiology

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microbiology

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microcomputer applications

Computer Networking and
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microextraction

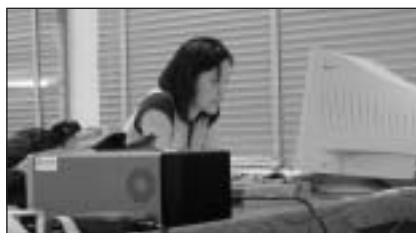
Michael Jeannot

microprocessor applications

Sura Lekhakul

microprocessor design

Sura Lekhakul



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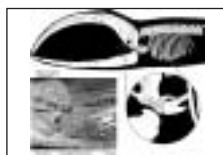
Dominic Naughton

molecular biology

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motion control

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Computer Network Research Center

networking (LAN, WAN)

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Alfred Pekarek



**President of second largest university
in Minnesota**
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John C. Cronn

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Herbarium

**retired COSE emeriti, faculty and
staff lounge area**
Alumni/Emeriti Center

**returning to campus to attend
business, social or research activities**
Alumni/Emeriti Center

robust multivariate statistics
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Planetarium and Observatory

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Statistical Consulting Center

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Danrun Huang

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Theresia Fisher

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Patricia Simpson

Cathy Wick

teacher science preparation

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technology

Bishnu Naraine

Sr. Del Marie Rysavy

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Kurt Helgeson

technology transfer

Anthony I. Akubue

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thermal sciences

Steven J. Covey

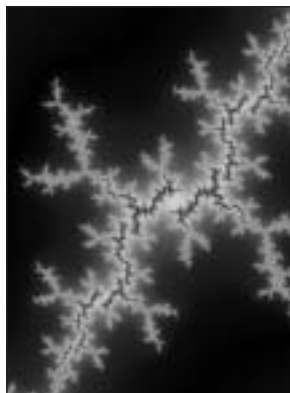
Kenneth Miller

thermodynamics

Jack McKenna

topological dynamics

Danrun Huang



topology

Peiyi Zhao

ultrasound

Yi Zheng

vanadium

Mohammad Mahroof-Tahir

vertebrates

Heiko Schoenfuss

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John C. Cronn

visual basic

Computer Networking and Applications

water quality

Charles L. Rose

Neal J. Voelz



weather

Gregory Nastrom

Robert Weisman



WEB

Computer Networking and Applications

wetlands

Jorge Arriagada

Charles L. Rose

wildlife management

William Faber

winds

Gregory Nastrom

women in mathematics

Cathy Wick

writing

Sandra Zaroodny Keith

Alphabetical Faculty Index

Robert I. Aceves Assistant Professor
 Department: Aviation
 Terminal Degree: Ed.D. 2000, Oklahoma State University
 Certification/Licensure: Commercial Pilot - ASEL, ASES, AMEL; Multiengine Instrument Flight Instructor; Mechanic - Airframe and Powerplant
 Building/Office: HH 102
 Telephone: (320) 654-5325
 E-Mail: aceves@stcloudstate.edu
 Fax: (320) 654-5122
 Web site: <http://bulletin.stcloudstate.edu/departments/avit.asp>
 Keywords: aviation education, circadian/jet lag, educational psychology, human factors, aviation safety

Anthony I. Akubue Professor
 Department: Environmental and Technological Studies
 Terminal Degree: Ed.D. 1989, West Virginia University
 Certification/Licensure:
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 E-Mail: akubue@stcloudstate.edu
 Fax:
 Web site:
 Keywords: technology transfer, technology and third world development, energy technology

Andrew Anda Assistant Professor
 Department: Computer Science
 Terminal Degree: Ph.D. 1995, University of Minnesota
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 Building/Office: ECC 223
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 E-Mail: aanda@stcloudstate.edu
 Fax: (320) 255-4269
 Web site: <http://www.cs.umn.edu/~anda>
 Keywords: theoretical and applied matrix computation, high performance numerical computation, mathematical software engineering, computational information retrieval

Steven L. Anderson Assistant Professor
 Department: Aviation
 Terminal Degree: M.B.A. 1991, St. Cloud State University
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 Fax: (320) 654-5122
 Web site:
 Keywords: flight training, aviation safety, aviation

Jorge Arriagada Associate Professor
 Department: Biological Sciences
 Terminal Degree: Ph.D. 1994, Ohio State University
 Certification/Licensure:
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 Telephone: (320) 255-3456
 E-Mail: jarriagada@stcloudstate.edu
 Fax: (320) 255-4166
 Web site: <http://tigger.stcloudstate.edu/~jarriagada>
 Keywords: plant taxonomy, floristics, wetlands, conservation, ethno botany



Mohammed Bahauddin Professor
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 Terminal Degree: Ph.D. 1969, New Mexico State University
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 E-Mail: baha@stcloudstate.edu
 Fax:
 Web site: <http://condor.stcloudstate.edu/~baha/>
 Keywords: applied mathematics, mathematical modeling

Alphabetical Faculty Index

Bantwal Baliga Associate Professor
 Department: Mechanical and Manufacturing Engineering
 Terminal Degree: Ph.D. 2000, Swinburne University of Technology
 Certification/
 Licensure:
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 Telephone: (320) 255-3843
 E-Mail: rbaliga@stcloudstate.edu
 Fax: (320) 229-5653
 Web site:
<http://web.stcloudstate.edu/rbaliga>
 Keywords: off-round cylindrical grinding, cylindrical grinding, plant layout, quality engineering, manufacturing systems

Richard Brundage Professor
 Department: Physics, Astronomy, and Engineering Science
 Terminal Degree: Ph.D. 1985, University of Wisconsin-Madison
 Certification/
 Licensure:
 Building/Office: MS 318
 Telephone: (320) 255-3154
 E-Mail: rbrundage@stcloudstate.edu
 Fax: (320) 255 4262
 Web site:
<http://einstein.stcloudstate.edu/brundage/>
 Keywords: lasers, optics, rare earths



Gary D. Buls Professor
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 Terminal Degree: Ph.D. 1986, Iowa State University of Science and Technology
 Certification/
 Licensure:
 Building/Office: ECC 240
 Telephone: (320) 255-2087
 E-Mail: gbuls@stcloudstate.edu
 Fax:
 Web site:
<http://condor.stcloudstate.edu/~gbuls/>
 Keywords: numerical analysis, discrete computational structures

Dale Buske Assistant Professor
 Department: Mathematics
 Terminal Degree: Ph.D. 1997, Iowa State University of Science and Technology
 Certification/
 Licensure:
 Building/Office: ECC 153
 Telephone: (320) 255-4821
 E-Mail: dbuske@stcloudstate.edu
 Fax: (320) 255-4269
 Web site:
<http://web.stcloudstate.edu/drbuske/>
 Keywords: analysis, algebra, operations research



Ralph W. Carr Professor
 Department: Mathematics
 Terminal Degree: Ph.D. 1977, University of Wisconsin-Madison
 Certification/
 Licensure:
 Building/Office: ECC 234
 Telephone: (320) 255-2274
 E-Mail: rw carr@stcloudstate.edu
 Fax: (320) 255-4262
 Web site:
<http://condor.stcloudstate.edu/~rcarr/>
 Keywords: computer science, differential and integral equations

Jeff Chen Assistant Professor
 Department: Mathematics
 Terminal Degree: Ph.D. 1996, Yale University
 Certification/
 Licensure:
 Building/Office: ECC 231
 Telephone: (320) 255-4260
 E-Mail: jjchen@stcloudstate.edu
 Fax:
 Web site:
web.stcloudstate.edu/jjchen
 Keywords: number theory, automorphic form,
 representation theory, coding
 theory, history of mathematics,
 nonabelian harmonic analysis

Steven J. Covey Professor
 Department: Mechanical and Manufacturing
 Engineering
 Terminal Degree: Ph.D. 1993, University of
 Cincinnati
 Certification/
 Licensure: Professional Engineer, State of
 Minnesota
 Building/Office: ECC 114A
 Telephone: (320) 654-5161
 E-Mail: covey@stcloudstate.edu
 Fax: (320) 229-5653
 Web site:
 Keywords: mechanical design, manufacturing
 processes, experimental methods,
 finite element methods, thermal
 sciences



John C. Cronn Professor
 Department: Biological Sciences
 Terminal Degree: Ph.D. 1974, University of
 Nebraska-Lincoln
 Certification/
 Licensure:
 Building/Office: MS 270
 Telephone: (320) 255-3207
 E-Mail: jcronn@stcloudstate.edu
 Fax:
 Web site:
 Keywords: microbial physiology, protein
 purification, plant-microbe
 interaction, virology, evolution

David K. DeGroot Professor
 Department: Biological Sciences
 Terminal Degree: Ph.D. 1980, University of Iowa
 Certification/
 Licensure:
 Building/Office: MS 275
 Telephone: (320) 255-3065
 E-Mail: degroote@stcloudstate.edu
 Fax:
 Web site:
 Keywords: plant physiology, plant growth and
 development, plant ecologic
 physiology

Mary Evenson Assistant Professor
 Department: Chemistry
 Terminal Degree: Ph.D. 1976, North Dakota State
 University
 Certification/
 Licensure:
 Building/Office: MS 366
 Telephone: (320) 529-1692
 E-Mail: mevenson@stcloudstate.edu
 Fax: (320) 255-4262
 Web site:
 Keywords: bakery goods product development,
 frozen dough product development,
 extended shelf-life of bakery
 products, applied experimental
 design, modified atmosphere
 packaging for bakery products

William Faber Fixed Term
 Department: Biological Sciences
 Terminal Degree: Ph.D. 1998, Swedish University of
 Agricultural Sciences
 Wildlife Biologist
 Certification/
 Licensure:
 Building/Office: BH 234
 Telephone: (320) 255-4135
 E-Mail: wfaber@stcloudstate.edu
 Fax: (320) 255-4166
 Web site:
 Keywords: mammals, birds, ruminant
 physiology, wildlife management,
 feeding ecology

Theresia Fisher Associate Professor
 Department: Computer Science
 Terminal Degree: M.S. 1985, North Dakota State
 University
 Certification/
 Licensure:
 Building/Office: ECC 258
 Telephone: (320) 255-4962
 E-Mail: fisher@stcloudstate.edu
 Fax:
 Web site:
<http://condor.stcloudstate.edu/~csci/faculty/fisher.html>
 Keywords: artificial life, systems engineering,
 computer ethics

Alphabetical Faculty Index

Byron Gajewski Assistant Professor
 Department: Statistics
 Terminal Degree: Ph.D. 2000, Texas A&M University
 Certification/ Licensure: Engineer in Training (2004)
 Building/Office: ECC 248
 Telephone: (320) 654-5324
 E-Mail: bjgajewski@stcloudstate.edu
 Fax: (320) 255-4269
 Web site: <http://stcloudstate.edu/~bgajewski/bgajewski.htm>
 Keywords: applied statistics, robust multivariate statistics, bayesian data analysis, interdisciplinary collaboration



Michael Garrity Professor
 Department: Physics, Astronomy, and Engineering Science
 Terminal Degree: Ph.D. 1968, Arizona State University
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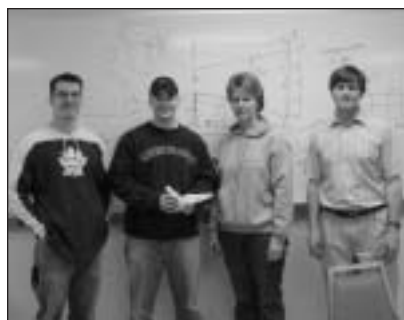
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control

Department Index

Aviation

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Biological Sciences

Mathematics and Science Center (MS) 262

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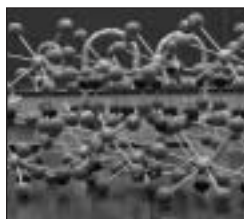
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William Faber
Oladele Gazal
Ralph Gundersen
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David C. Kramer
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Nursing Sciences

Mathematics and Science Center (MS) 103

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Susan Johnson Warner

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Michael Garrity
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John Harlander
Mark Nook
Maria Womack

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Engineering and Computing Center (ECC) 139

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Kkamal Hammouda
Hameed Bayo Lawal
Richard Mowe
David H. Robinson
Sr. Del Marie Rysavy

Centers and Programs Index

Allied Health Programs - Medical Technology and Nuclear Medicine Technology Mathematics and Science Center (MS) 273

Academic Adviser Medical Technology: Dr. JoAnn Meerschaert, Assistant Professor of Biological Sciences
Telephone: (320) 255-2288
E-mail: jmeerschaert@stcloudstate.edu
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<http://bulletin.stcloudstate.edu/ugb/programs/medt.asp>

Academic Adviser Nuclear Medicine Technology: Dr. Michael Garrity, Professor of Physics, Astronomy and Engineering Science
Telephone: (320) 255-3274
E-mail: mgarrity@stcloudstate.edu
Fax:
Web site (s):
<http://bulletin.stcloudstate.edu/ugb/programs/nmdt.asp>

The Medical Technology and Nuclear Medicine Technology Programs prepare graduates to become nationally certified and actively recruited clinical laboratory scientists or nuclear medicine technologists. The strong foundation in biology and chemistry leads to a variety of possible career directions. The programs offer students unique and challenging internships at affiliated hospitals.

Alumni/Emeriti Center Headley Hall (HH) 227A

Contact Person: Jennifer Kolden, Information Officer 1
Telephone: (320) 255-3909
E-mail: jakolden@stcloudstate.edu
Fax: (320) 654-5124
Web site(s):

The Alumni/Emeriti Center (A/EC) was opened January 12, 2000, and is housed in the College of Science and Engineering Research and Development Center. The A/EC was established to provide a lounge area for retired COSE emeriti, faculty, and staff and COSE alumni upon their return to campus to attend social, business, or research activities. The A/EC offers a comfortable lounge area and meeting table for business or social meetings; computers with internet access; office amenities; and telephone service. The staff of the COSE Research and Development Center looks forward to A/EC visitors and hope that the Center will become a common meeting ground for retired emeriti, faculty, and staff, and alumni.

Applied Research Center Headley Hall (HH) 227A

Interim Director: Dr. H. Bayo Lawal, Professor of Statistics
Information Officer 1: Jennifer Kolden
Telephone: (320) 255-3909
E-mail Applied Research Center: arc@stcloudstate.edu
E-mail H. Bayo Lawal: hblawal@stcloudstate.edu
E-mail Jennifer Kolden: jakolden@stcloudstate.edu
Fax: (320) 654-5124
Web site(s):
<http://www.stcloudstate.edu/~arc>

Our mission is to assist faculty, students and staff with all aspects of research, including planning, obtaining support, doing research, publicizing activities and disseminating results. We work together with the College of Science and Engineering (COSE) Dean, the Office of Sponsored Programs, the university-wide research Applied Research Committee and other university research centers to establish short and long term research goals for COSE and St. Cloud State University.

Brown Hall Museum Brown Hall (BH) 240R

Director: Dr. Standley Lewis, Professor of Biological Sciences
Telephone: (320) 255-4284
E-mail: slewis@stcloudstate.edu
Fax:
Web site(s):

The Brown Hall Museum is designed to serve as a depository for fossil collections, as a depository for selected skeletons used in several SCSU biology courses, as a research laboratory for Dr. Lewis's research activities with both invertebrate and vertebrate fossils, and as a research laboratory for Dr. Lewis's paleobiology students. For information concerning the availability of museum tours, please contact Dr. Lewis.

Centers and Programs Index

Computer Network Research Center Headley Hall (HH) 213

Director: Dr. Monte Johnson, Professor of Statistics
Telephone: (320) 255-2213
E-mail: monte@stcloudstate.edu
Fax: (320) 255-4269
Web site(s):

The mission of the St. Cloud State University (SCSU) Computer Network Research Center is to maintain and even further its development as a nucleus of information in the field of computer networking as well as providing test and implementation facilities for new networking technology as it becomes available.

Computer Networking and Applications Engineering and Computing Center (ECC) 139

Director: Dr. Monte Johnson, Professor of Statistics
Program Secretary: Sue Pope
Telephone: (320) 203-6084
E-mail Monte Johnson: monte@stcloudstate.edu
E-mail Sue Pope: sepopo@stcloudstate.edu
Fax:
Web site(s):
<http://bulletin.stcloudstate.edu/departments/stat.asp>

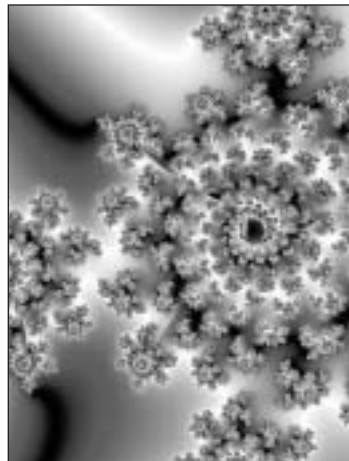
The Computer Networking and Applications program offers 17-credit and 24-credit minors in Computer Networking and Applications. These programs are designed as support programs for SCSU students who need to become knowledgeable and sophisticated users of microcomputers. In addition, a 27-credit minor is offered in data communications. This minor is designed to provide students with a conceptual background and some practical experience in configuring a network.

The Network Modeling and simulation major provides a balance between the theoretical and practical skills needed in the networking field.

Development Center Headley Hall (HH) 227A

Director:
Dimensions News Journal
Writer/Editor: Jennifer Kolden, Information Officer 1
Assistant Writer: Iftekher Rashid, Graduate Student

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Fax: (320) 654-5124
Web site(s):
<http://www.stcloudstate.edu/~cdc>



The Development Center supports the College of Science and Engineering (COSE) through the initiation of gift giving to the College, the stewardship of gifts received, and the gift recognition program for the College. *Dimensions*, a COSE news journal, publicizes the research and activities of COSE students, faculty and staff.

Greenhouse

Mathematics and Science Center (MS) - Greenhouse

Director: Dr. David DeGroot, Professor of Biological Sciences and Chairperson
Telephone: (320) 255-4736
E-mail: degroot@stcloudstate.edu
Fax:
Web site(s):

The SCSU greenhouse was completed in the fall of 1991. This is a small facility, with 1600 square feet of growing space and an attached head house area. Two small isolation rooms afford the opportunity to grow plants at moderate (temperate to warm) temperatures and control the day length. The greenhouse growing area is divided into five individually controlled environments. Currently, these five environments are operating as a tropical display room; two temperate rooms for stock plants and research; a topical research room; and an arid display and research room. A large number of student projects are carried out in this facility each semester. Insect control is generally done using natural products rather than synthetic pesticides.



Herbarium

Mathematics and Science Center (MS) - Herbarium

Director: Dr. Jorge Arriagada, Associate Professor of Biological Sciences
Telephone: (320) 255-3456
E-mail: jarriagada@stcloudstate.edu
Fax:
Web site(s):
<http://herbarium.stcloudstate.edu/>



The Herbarium is a significant research and teaching resource that serves the public, academic, and professional communities. It provides an important source for identification of plant specimens as well as training in plant taxonomy. The plant collection (21,000 specimens) is especially strong in Central Minnesota counties holdings dating from 1800s to the present. Currently, a bibliographic and an online database are being developed to make the wealth of information contained in our collections more readily and widely available.

Centers and Programs Index

Mathematical Skills Center

Stewart Hall (SH) 203

Director: Dr. James Wilmesmeier, Associate Professor of Mathematics

Telephone: (320) 255-3840

E-mail Math Skills Center: mathskills@stcloudstate.edu

E-mail James Wilmesmeier: wilm@stcloudstate.edu

Fax:

Web site(s):

<http://www.stcloudstate.edu/~mathskl/>

The Mathematical Skills Center prepares students for success in college level mathematics courses. Students using the Mathematical Skills Center typically have two needs: first to develop skills in basic mathematical thinking and operations; secondly to develop study skills for mathematics as well as other academic disciplines. Two courses are offered through the Mathematical Skills Center: Basic Mathematics Concepts (Math 070) for students next taking the Core Math/Stat course 193 and Intermediate Algebra (Math 072) for students preparing for Mathematical Thinking and Modeling (Math 196) or a pre-calculus course. Peer tutoring is available at the Center during regular hours of operation.

Planetarium and Observatory

Mathematics and Science Center (MS) 24

Director: Dr. Mark Nook, Professor of Physics, Astronomy and Engineering Science and Chairperson

Office Manager: Linette Simonson

Telephone: (320) 255-2011

E-mail Mark Nook: mnook@stcloudstate.edu

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Web site(s):

Planetarium:

<http://condor.stcloudstate.edu/~mnook/Planetarium.html>

Web site Observatory:

<http://r2d2.stcloudstate.edu/cw/equipment.html>

The SCSU Planetarium is a unique educational facility that strives to educate university students and the people of Central Minnesota about the natural world above them.

The SCSU Observatory strives to further our understanding of the natural world beyond Earth's atmosphere through astronomical research, the training of scientists and educators in astronomical research methods and outreach to the public.

Statistical Consulting Center

James W. Miller Learning Resources Center (MC) 204D

Contact person: Dr. David Robinson, Professor of Statistics and Chairperson

Telephone: (320) 255-2149

E-mail: dhrobinson@stcloudstate.edu

Web site(s):

<http://www.stcloudstate.edu/~stat/scc.html>

The Statistical Consulting Center can provide help with designing surveys or questionnaires, entering data once surveys are collected, running statistical software to analyze the data and interpreting the results of the analysis.

College of Science and Engineering

Academic Departments

Aviation

Biological Sciences

Chemistry

Computer Science

Earth and Atmospheric Sciences

Electrical and Computer Engineering

Environmental and Technological Studies

Mathematics

Mechanical and Manufacturing Engineering

Nursing Sciences

Physics, Astronomy and Engineering Science

Statistics

Centers and Programs

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Medical Technology

Nuclear Medicine Technology

Applied Research Center

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Computer Network Research Center

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Development Center

Greenhouse

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Mathematical Skills Center

Planetarium and Observatory

Statistical Consulting Center



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