

Please fill out the following information with answers to the questions below:

Name: _____

Address: _____

City: _____

State & Zip: _____

Telephone: _____

Email: _____

School: _____

Address: _____

City: _____

State/Zip: _____

Grade(s) you teach: _____

Subject(s) you teach: _____

Please attach a separate sheet with answers to the following four questions:

How do I feel I will benefit from GIS training?

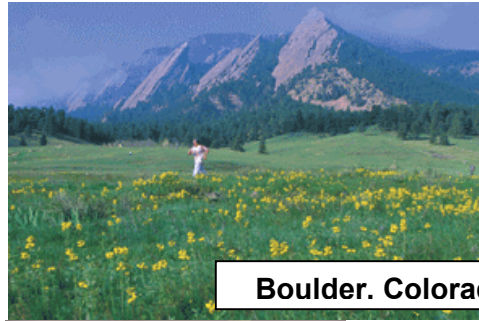
How will I introduce GIS into my curriculum?

How do I rate myself as a computer user?

How can my class work with the community and apply GIS technology to a real life issue?

Please send your answers, this form, and a deposit of \$150.00 payable to the University of Northern Colorado. The receipt of your deposit will reserve your space for the institute.

Balance of \$550.00 due by 15 May 2002.



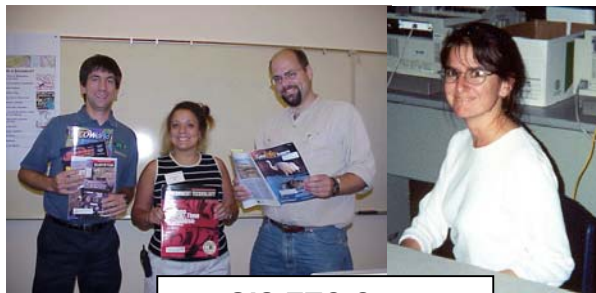
Boulder, Colorado



Map and Data Analysis



Field Work



GIS ETC Crew

Educational
Technology
Consultants

Phone (701) 792-3312
Email: gisetc@aol.com

GEOGRAPHIC INFORMATION SYSTEMS (GIS) INSTITUTE FOR EDUCATORS

24-28 June 2002

SPONSORED BY

Colorado Geographic
Alliance

and GIS ETC

Use GIS to explore the interactions of the natural, cultural, and physical environment. Apply maps, charts, aerial photographs, databases, and images to analyze trends and patterns.

**ESRI* K-12 AUTHORIZED
TRAINING PROFESSIONALS**

Anita Brooks Palmer

Joseph Kerski

Sophia Linn

Roger Palmer

ADDITIONAL INSTRUCTOR

Steve Wanner

*Developer of ArcView GIS Software

HOW IS GIS BEING USED IN THE CLASSROOM?

GIS is a system designed for storing, updating, analyzing, displaying, and manipulating information about places on the planet, otherwise known as spatial data. This system uses the power of the computer to answer geographic questions by arranging and displaying all kinds of data about places in a variety of ways such as with maps, charts, and tables.

HOW IS GIS BEING USED IN THE CLASSROOM?

A few examples...

Colorado high school students examine changing demographics of neighborhoods in Boulder from 1970 to 2000.

Rhode Island students study the economic impact of rivers in their communities.

In North Dakota, high school students help local state parks use GIS to study and manage their resources. Middle school students mapped out alternative sites for a local landfill and ways to monitor its operation.

Vermont middle school students use GIS technology, science journals, and photos to determine the origin of a local pond and its ecological relationship to the community.

WHERE AND WHEN IS IT BEING HELD?

Boulder High School - 1604 Arapahoe Ave.
Boulder, Colorado 80302
Monday - Friday 24-28 June 2002 8am - 5pm

WHO SHOULD ATTEND?

All 6-12th Grade Preservice and Inservice teachers, college professors, and school technology coordinators who want to support students in exploring the world in a problem-solving, computerized environment.

WHAT WILL YOU RECEIVE?

- 45 hours of hands-on ArcView GIS training, fieldwork, and theory by nationally-renowned instructors.
- Teacher manual with ready-to-use lessons easily applied to content standards.
- Digital data for use in the classroom, maps, books, and other goodies.
- Book *Mapping Our World: GIS Lessons for Educators*
- *Optional:* 3 re-certification credits through Colorado School of Mines (\$100).

WHAT ARE YOUR COSTS?

- Registration - \$700.00.
- Airfare for out-of-town guests.
- Optional:
 - Breakfast and Lunch Monday-Friday \$66.25.
 - 6 Nights Lodging at College Inn, 1 block from the High School, + Breakfast and Lunch, \$365, single occupancy. \$212 per person, double occupancy.
- Entertainment/activities – Hiking, bicycling and exploring the beautiful Boulder area in the Rocky Mountains. Roger Palmer's incredible harmonica playing is also a favorite event!

To Register:

**GIS Institute, Dept of Geography,
University of Northern Colorado,
Greeley CO 80639**

For More Information:

**Anita Brooks gisetc@aol.com
(701) 792-3312**
**Sophia Linn sophia@frii.com
(970)224-9117**
**Joseph Kerski jikerski@usgs.gov
(303) 202-4315**

WHO ARE YOUR INSTRUCTORS?

DR. JOSEPH KERSKI, USGS

Joseph Kerski serves as education outreach geographer at the US Geological Survey in Denver, Colorado and an instructor of GIS at the University of Denver. He conducts 40 educational workshops each year for educators on the integration of scientific data into the curriculum. He holds a Ph.D. in geography with an emphasis on GIS and geography education.

ROGER PALMER, RED RIVER HIGH SCHOOL

Roger Palmer teaches high school chemistry and summer field science in Grand Forks, ND. He is involved with a NASA initiative in the upper mid-west that uses NASA generated imagery to teach math, science, and geography to K-12 students. He holds an M.S. in Chemistry and conducts research with students in the use of GIS to model integrated approaches to environmental problems.

ANITA BROOKS PALMER, GIS ETC

Anita Brooks Palmer is a high school technology teacher who most recently taught GIS and AutoCad in Carson City, NV. She has authored and taught numerous technology classes for K-12 teachers focusing on integration of technology throughout the curriculum. She is one of the three authors of the first GIS curriculum book for the 6-12th grade world geography classroom. She is completing her M.S. in geography with an emphasis on GIS in education.

SOPHIA LINN, COLORADO GEOGRAPHIC ALLIANCE

Sophia Linn serves as program manager for the Colorado Geographic Alliance, an organization that serves over 5,000 geography teachers. She is active in the implementation of technology into geography and science curricula and holds an M.A. degree in geography with an emphasis on education and cartography.

STEVE WANNER, BOULDER HIGH SCHOOL

Steve Wanner has taught geography for over 30 years in the Boulder Valley School District. He has been using GIS in the curriculum since 1996, and has designed units on world regional geography, historical floodplains, and neighborhood analysis using GIS.