

Hilo, Hawaii, 28 de Julio al 1 de Agosto de 1997

A petición de los profesores Chris King y Alfredo Bezzi, incluimos en nuestras páginas una reproducción de la segunda circular del Congreso.

Esperamos que la importancia del evento y los atractivos de su sede animen a nuestros asociados y que la representación de la AEPECT sea numerosa.

## GEOSciEd II

SEGUNDA CONFERENCIA INTERNACIO-

### Second Announcement

## GeoSciEd II

The Second International Conference on Geoscience Education

## Learning About the Earth as a System

July 28–August 1, 1997

Hilo, Hawai'i

Sponsored by The Coalition for Earth Science Education and its member organizations with support from American Geophysical Union, American Geological Institute, Association of Engineering Geologists, Hyogo University of Teacher Education, National Association of Geoscience Teachers, National Earth Science Teachers Association, Ohio State University, University of South Carolina, U. S. Geological Survey, Weizman Institute, and in cooperation with the Commission on Geoscience Education and Training (COGEOED) of the International Union of Geological Science (IUGS) and Association of Geoscientists for International Development (AGID)

GeoSciEd II follows on the success of the First International Conference on Geoscience Education held in Southampton, England in 1993. The enthusiasm of the participants at that conference encouraged a group of Earth science educators, in the Coalition for Earth Science Education of the United States, to organize and present this second conference. It will be held on the beautiful and dynamic island of Hawai'i in the attractive facilities of the University of Hawai'i at Hilo. Hawai'i's Mid-Pacific location is an appropriate venue for considering the international implications of the emerging field of Earth System science education. International experts in the field of science learning will be on hand to discuss the implications of *Learning About the Earth as a System*, the theme of the conference.

The complexity of commerce and industry throughout the world, demands that we understand our Earth's processes. This critical need provides the impetus for changing the nature of instruction in science classrooms at the pre-college and college level. Earth System science regards the subsystems of the Earth—the atmosphere, solid Earth, hydrosphere, and biosphere—as interacting systems. Rather than studying the Earth through the traditionally separate disciplines of oceanography, hydrology, geology, and biology, expertise is shared across disciplines to determine how Earth systems, acting together and influenced by solar energy, produce the world we see around us. Earth System science is a model for integrating the content of Earth science instructional programs. Participants will focus on Earth Systems science education through the conference sessions and through field trips on volcanism, ocean environments, rain forest, and island culture.

You are invited to attend the conference and experience through the program, field trips, and workshops this exciting way of studying planet Earth and its place in space.

#### For Further Information on GeoSciEd II Contact

M. Frank Watt Ireton, GeoSciEd II Registration

Education & Research Directorate

American Geophysical Union

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PLEASE POST THIS PAGE

## Call for Interactive Poster Session Papers

You are invited to submit proposals for interactive poster sessions under one or more of the three conference subthemes listed below. The official conference language will be English.

- A. Earth Science Education for all Students in Schools and Higher Education Institutions.
  - 1. Examples of innovative and integrated Earth Systems/Earth science curricula.
  - 2. Examples of innovative and integrated Earth Systems/Earth science instructional materials.
  - 3. Evaluation of Earth Systems/Earth science curricula, materials, and learning.
  - 4. Non lecture based learning environments and alternative assessment.
  - 5. Examples of undergraduate through graduate programs in Earth Systems/Earth science.
  - 6. The use of technology in Earth Systems/Earth science courses.
  - 7. Natural disaster mitigation education.
  - 8. Avenues for faculty enhancement.
- B. Role of Business, Industry, and Government Agencies in Supporting Informal and Formal Educational Efforts.
  - 1. Partnerships with educators.
  - 2. Employment opportunities for Earth Systems/Earth science graduates.
  - 3. Skills required by industry and business.
  - 4. Needs of industry in systems science thinking.
  - 5. Cooperation vs. competition in the workplace.
  - 6. Role of the science researcher in providing educational information, materials, and opportunities.
  - 7. Internships for teachers and students.
- C. Need for Public Literacy in the Earth Systems/Earth sciences.
  - 1. Examples of Earth Systems/Earth science programs in museums and other informal education settings.
  - 2. Evaluation of informal education programs in Earth Systems/Earth science.
  - 3. Outreach programs in Earth Systems/Earth science.
  - 4. Role of informal Earth Systems/Earth science programs with formal education programs.
  - 5. Educating officials and business leaders.
  - 6. Research on public understanding.

Posters will consist of an exhibit of photographs and/or diagrams accompanied by printed information to fit on a board 1.2 by 2.4 meters in size.

Each poster session will begin with a short keynote presentation. This will be followed by three-minute presentations from each of the accepted abstract proposers. The three minute rule will be strictly adhered to and participants are urged to use no more than two overheads, one is suggested. Following the oral presentations will be an opportunity for session participants to tour the posters and discuss the posters with the presenters. The poster session will be followed by a series of small group discussions on the theme of the poster session, conducted by selected poster presenters. It is believed that this format will provide for much more interaction by conference participants than is possible under more traditional formats.

## Abstract Requirements

- The abstract should be a concise summary of the ideas of the paper, and not merely a general description of what the paper is about. Tell what the specific facts are so that others, including those not in attendance, will find them to be valuable resources for learning about your program or project
- Identify the conference theme and subtheme that best matches your proposed topic.
- Submit your 500 words maximum abstract as a clean, camera ready paper copy that will fit in a 15 x 15 cm imaginary box. Use 10 point minimum and 12 point maximum type size. (This is 10 point size)
- Submit a paper copy and if possible, on a computer disk. Word Perfect or MacWrite are preferred. Dos, Windows, and Macintosh platforms are all acceptable. If in doubt, include an ASCII version of the abstract on the same disk.

Submit your abstract to  
Dr. Victor Mayer, GeoSciEd II Program Chair,  
Department of Geological Sciences, The Ohio State University  
125 South Opal Drive, Columbus, Ohio 43214

**ALL ABSTRACTS ARE DUE DECEMBER 6, 1996**

## Conference Questionnaire

If you are interested in attending the conference, whether or not you are submitting an abstract, **please complete this form and return as soon as possible**. The information you provide will aid us in planning for conference activities. Workshops and field trips will be developed based on sufficient participant interest. Completing this questionnaire does not imply any commitment other than registration on your part.

### Workshops

Indicate with a check mark which of the following workshop(s) you would be interested in attending. If more than one, indicate your priorities by ranking them starting with 1 as the highest. There will be a fee of \$US 25–50 for equipment, materials, and refreshments for workshops.

- ☐ 1. Developing integrated Earth Systems education programs for grades 7–12.
- ☐ 2. How to develop undergraduate college courses in Earth Systems science.
- ☐ 3. Using computers in learning about the Earth as a system.
- ☐ 4. Constructivist approaches to learning about the Earth System.
- ☐ 5. Informal programs in Earth System science.
- ☐ 6. Natural disaster mitigation education.
- ☐ 7. Organizing for better representation of Earth Systems/Earth science in science literacy.
- ☐ 8. Using the Internet as an Earth Systems education source.

### Field Trips

An all day field trip to Hawai'i Volcanoes National Park will be included as part of your conference registration fee. A number of theme-based field trips will be presented in a manner that exemplifies Earth Systems education. There will be a fee for these trips to cover transportation and food costs. Estimated costs are \$US 45 for an all day trip and \$US 35 for a half day trip. Indicate with a check mark which of the following field trip(s) you would be interested. Indicate your priorities by ranking them starting with 1 as the highest. This information will help us coordinate field trip planning and is not commitment on your part.

- ☐ Monday, pre-conference field trip      ☐ Friday, post-conference field trip (Select one)
- ☐ Tuesday, lava flow. Fee charged. All day.
- ☐ Tuesday, Botanical Gardens. Fee charged. Half day.
- ☐ Wednesday, lava flow. Fee charged. All day.
- ☐ Wednesday, Ocean/Geothermal energy. Half day.
- ☐ Thursday, Chain of Craters. All day.
- ☐ Thursday, reef snorkel trip. Half day. (Rental available)
- ☐ Other (type and length) \_\_\_\_\_

In addition to these theme-based field trips, conference participants and their families will be able to select from a number of general interest field trips. Availability of any given field trip will depend on sufficient numbers of trip participants. Further trip information will be provided in your registration package.

### Registration Form

Your name (last) \_\_\_\_\_ (first) \_\_\_\_\_ (initial) \_\_\_\_\_

Accompanying person \_\_\_\_\_

Your affiliation \_\_\_\_\_

Address \_\_\_\_\_

City \_\_\_\_\_ State/Province \_\_\_\_\_ Postal Code \_\_\_\_\_ Country \_\_\_\_\_

Position \_\_\_\_\_ Institution \_\_\_\_\_

Fax # \_\_\_\_\_ E-mail address \_\_\_\_\_

Registration enclosed. \_\_\_\_\_ \$US195 June 1, 1996–May 1, 1997 \_\_\_\_\_ \$US225 after May 1, 1997.

Check or Money order only made out to GeoSciEd II. Credit cards cannot be accepted. Administration fee of \$US 50 for cancellations prior to May 1, 1997. No refunds after May 1, 1997.

**Return to M. Frank Watt Ireton, GeoSciEd II Registration**  
**2000 Florida Ave. NW, Washington, DC 20009**