



7th International Conference on Accelerator Mass Spectrometry

Tucson, Arizona
May 20–24, 1996

Sponsors:

The University of Arizona
Lawrence Livermore National Laboratory
National Science Foundation
The University of California, San Diego
High Voltage Engineering Europa B.V.
National Electrostatics Corporation

Conference Address:

AMS-7 Conference
NSF Arizona AMS Facility
Physics Building
The University of Arizona
Tucson, Arizona 85721 USA
Tel.: (520) 621-6810
Fax: (520) 621-9619

SECOND CIRCULAR – MAY 1995

THE SEVENTH INTERNATIONAL CONFERENCE ON ACCELERATOR MASS SPECTROMETRY will take place May 20 through May 24, 1996 in Tucson, Arizona. We expect about 150 participants, based on returns of the first circular. There will now be four associated workshops. Two specialized pre-conference workshops will be organized by Lawrence Livermore National Laboratory, and will focus on **^{129}I studies of AMS (May 16, 1996)** and **Biomedical ^{14}C Applications (May 17, 1996)**. A larger pre-conference workshop will take place on **May 18, 1996** at Scripps Institution of Oceanography in La Jolla, California and will focus on **Applications of AMS to Global Change**. We expect up to 75 people at the La Jolla workshop. The times of the workshops will not overlap, so it will be possible to travel from Livermore to San Diego to participate in the Global Change workshop. A post-conference workshop will be held in Tucson (May 25, 1996) on **Geological Applications of AMS**. Descriptions of the workshops are enclosed. There will also be a post-conference field trip. The **THIRD CIRCULAR** containing detailed conference and workshop information will be mailed in October 1995.

The AMS-7 conference will be at the **Westward Look Resort**, 245 East Ina Road, Tucson, AZ 85704, located in the foothills of the Santa Catalina Mountains. The conference rate for the rooms is expected to be \$106.50 including tax per room. Rooms are equipped with refrigerators and other amenities. The hotel has several pools, tennis courts, two restaurants, a lounge bar and other facilities. Details about hotel reservations and transportation will be sent with the **THIRD CIRCULAR**.

Evening and social activities start with a traditional **Mexican reception** on Monday evening. Wednesday is the day to relax, with an optional half-day Conference Outing to the Arizona-Sonora Desert Museum and San Xavier Mission on Wednesday morning. Wednesday afternoon is free for you to relax by the pool, go shopping, explore the surrounding area, or meet with colleagues. The banquet on Wednesday evening will feature regional fare. On **Thursday**, afternoon sessions will be held on the University of Arizona campus. We invite conference participants to **tour our laborato-**

ries on the University campus after sessions end on Thursday evening, after which we hope to have a small reception.

Registration information will be sent with the THIRD CIRCULAR. The registration fee will be \$285.00 before February 1, 1996, and \$325.00 after this date. **Conference Proceedings** will be published by Nuclear Instruments and Methods, Section B. Authors should bring their manuscripts to the meeting. Conference abstracts will be published by Radiocarbon. The conference abstracts and proceedings will be provided free to all registered attendees. The registration fee includes the conference volume, the opening reception on Monday evening, continental breakfasts and coffee-breaks, the banquet and to the UA campus on Thursday, laboratory tour and reception.

Travel information for participants in the pre-conference workshops. Sufficient travel time is allowed between the various pre-conference workshops and the main conference to all participants to travel from one location to the other. We will provide complete detailed travel information in the THIRD CIRCULAR, to be sent in October 1995. A FINAL CIRCULAR including Conference Program will be sent to registered participants in April 1996.

ABSTRACTS

Abstracts should be typed using 10 or 12 point font, to fit onto one page of letter-sized or A4 paper. Allow 2.5 cm for margins on either side. Please also provide an electronic version of your abstract either as an ASCII text file, WordPerfect or Microsoft Word file. We can handle either PC or Macintosh diskettes, but please identify this on your diskette. E-mail copies of abstracts are encouraged and should be sent to wbeck@physics.arizona.edu. Advance copies of abstracts are also encouraged, as this will allow us to devise the program. Please send final abstracts for all sessions and pre-conference workshops by Feb. 1, 1996 to: **AMS-7 Abstracts, NSF-Arizona AMS Facility, Physics Building, The University of Arizona, Tucson, AZ 85721, USA. Please make sure you indicate whether the paper is for a workshop or the main conference.**

DEADLINE FOR ABSTRACTS IS FEBRUARY 1, 1996

TRANSPORTATION

The workshop and conference locations and hotels can be conveniently reached by several means. Travel between the San Francisco Bay Area (for Livermore), San Diego and Tucson by air is frequent and inexpensive. Complete details of these and other travel possibilities will be included in the THIRD CIRCULAR. **Southwest, America West** and other airlines provide direct flights to Phoenix (*with very reasonable fares*) from Oakland, San Francisco and San Diego, with connections to Tucson International Airport via Phoenix, Las Vegas or Los Angeles. There are two non-stop flights per day on Southwest Airlines from San Diego to Tucson. Frequent bus and van shuttle service from Phoenix Airport to Tucson is also available. If there is sufficient interest, we may run a direct bus from the Scripps Institution to the Westward Look Resort in Tucson. The THIRD CIRCULAR will provide detailed information on all travel arrangements.

POST-CONFERENCE FIELD TRIP

Arrangements are underway for a **POST-CONFERENCE TOUR**. We have received over 30 responses showing interest in the post-conference tour. This tour will be limited to 45 participants. The trip will include four days/three nights, with overnight stops in Sedona, Flagstaff and northeastern Arizona. Other highlights of the trip will include a visit to prehistoric ruins at **Montezuma Castle, Flagstaff**, the impressive **Grand Canyon**, archaeological ruins and the volcanic cone of **Sunset Crater**, the beautiful **Canyon de Chelly** located on the Navajo Reservation on northeastern Arizona, **Hubbell's Trading Post, Walnut Canyon** with more evidence of the extensive Anasazi pueblo culture, **Oak Creek Canyon**, and the beautiful town of Sedona (for restaurants and shopping). We expect this tour to cost \$400 per person, double occupancy. We can arrange a roommate for you, but if you require a single room, the cost will be \$600.

For further information, contact us at the address below, or return the questionnaire sent with the first circular:

AMS-7 Conference Field Trip
NSF Arizona AMS Facility
The University of Arizona
Physics Building
Tucson, AZ 85721 USA

Tel.: (520) 621-6816
Fax: (520) 621-9619

CONFERENCE WORKSHOPS

Please contact the organizers for further information

GLOBAL CHANGE

Applications of AMS to Global Change Research

Scripps Institution of Oceanography

La Jolla, California

May 18, 1996

There are many applications of AMS to **Global Change Research**. This workshop will be held at the Scripps Institution of Oceanography, on cliffs overlooking the **Pacific Ocean** in La Jolla, California. The workshop will allow new results and discussion of the importance of ^{14}C AMS dating, other radionuclides and related studies to the important problems of research in oceanography, atmospheric science, geology and other fields to the understanding of how our climate has changed in the past, and may change in the future. The conference hotels will be within easy reach of the Scripps Institution, restaurants and the beach. A highlight of the workshop will be a reception on Saturday evening, May 18, in the beautiful Scripps Aquarium, which is on a hill overlooking La Jolla and the Pacific Ocean. Lodging information will follow in the **THIRD CIRCULAR**.

Organizers:

A. J. T. Jull and J. W. Beck
The University of Arizona
NSF Arizona AMS Facility
Physics Building
Tucson, AZ 85721 USA

Tel.: (520) 621-6810
Fax: (520) 621-9619

POST-CONFERENCE WORKSHOP

Applications of AMS to Geological Applications

Westward Look Resort

Tucson, Arizona

May 25, 1996

There are many new applications of AMS to **Earth Sciences**. This workshop will focus on the uses of AMS measurements of different radionuclides for two particular areas: 1) seismic hazards studies and 2) studies of *in-situ*-produced radionuclides, which have much use in geomorphology, studies of uplift, etc. Other specialized applications to the earth sciences are also welcome. This workshop will be held at the Westward Look after the main conference. This will allow a relaxing day of less-formal discussions on these important topics. The workshop will allow new results and discussion of the importance of ^{14}C AMS dating especially to earthquakes and seismic hazards, other radionuclides and studies to the important problems in the development and use of *in-situ* cosmogenic radionuclides in geologic surfaces. Separate one-half-day sessions will be devoted to each of these two important topics.

The workshop will follow the main Conference on Saturday, May 25th. We look forward to an informative and informal discussion of advances and problems in geological applications.

Organizers:

Dr. George S. Burr
The University of Arizona
NSF-Arizona AMS Facility
Physics Building
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Tel.: (520) 621-8411
Fax: (520) 621-9619

Dr. Susan D. Ivy-Ochs
ETH-Hönggerberg
Institut für Mittelenergiephysik, HPK G13
CH-8093 Zürich, Switzerland
Tel.: 41-1-633-2042
Fax: 41-1-633-1067

PRE-CONFERENCE WORKSHOPS AT LAWRENCE LIVERMORE NATIONAL LABORATORY

Please contact the organizers for further information

Lawrence Livermore National Laboratory (LLNL) is planning to host two separate pre-conference workshops. LLNL will make all arrangements for these two workshops.

WORKSHOP ON ^{129}I AMS

LLNL will host a topical workshop on ^{129}I studies by AMS on **Thursday, May 16, 1996**. This workshop will include talks about applications of the ^{129}I AMS technique. For more information about the ^{129}I AMS workshop please contact:

Mark Roberts
L-397, LLNL
P.O. Box 808
Livermore, CA 94551 USA

Tel.: (510) 422-3431
Fax: (510) 423-7884
E-mail: roberts5@llnl.gov

WORKSHOP ON BIOMEDICAL ¹⁴C AMS

The second LLNL workshop will be on biomedical ¹⁴C AMS. This workshop will include talks on sample preparation and handling problems unique to biomedical ¹⁴C AMS. This workshop is scheduled for **Friday, May 17, 1996**. For more information about the biomedical ¹⁴C AMS workshop please contact:

John Vogel
L-397, LLNL
P.O. Box 808
Livermore, CA 94551 USA

Tel.: (510) 423-4232
Fax: (510) 423-7884
E-mail: vogel2@llnl.gov

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AMS-7 CONFERENCE, TUCSON, ARIZONA, MAY 20-24, 1996

Request for further information

Please return this form only if you did not return the questionnaire in the first circular. If you need further information, or did not return the first circular questionnaire, please return this form by October 1, 1995 in order to receive the third mailing.

Name _____

Mail to:

Affiliation _____

AMS-7 Conference
NSF-Arizona AMS Facility
Physics Building

Address _____

The University of Arizona
Tucson, Arizona 85721-0081 USA

Tel. (520) 621-6810

Fax. (520) 621-9619

Telephone: _____ Fax: _____

E-mail: ajtjull@ccit.arizona.edu

E-mail: _____

If you are interested in the one-day workshops, please contact the organizers indicated for further information.

I will attend AMS-7 _____ I am interested in the post-conference field trip: _____