

Advance Program

Twelfth American Conference on Crystal Growth and Epitaxy

August 13–18, 2000



**Vail Marriott Mountain Resort
Vail, Colorado**

For additional information contact:

**Tony Gentile, ACCGE-12 Secretariat
P.O. Box 3233
Thousand Oaks, CA 91359-0233 USA
Phone 805 892 7047 Fax 805 492 4062
aacg@lafn.org
<http://ww.aml.arizona.edu/aacg>**

Conference Organizing Committee

Conference Chairs

Patricia Morris
Jerry Olson

Program Chairs

Robert Biefeld
Debra Kaiser

Local Arrangements

Alexana Roshko

Vendor Exhibit

Keith Torrance
Ray Dubasak
Larry Mann

Industrial Support

Gabe Loiacono
Jason Rottenberg

Government Support

Tom Surek
Richard Hopkins

Proceedings Editors

Rose Scripa
Dave Matthiesen

Awards

Eric Monberg
G. B. Stringfellow

Photography Contest

Claudia Rawn
Glen R. Kowach

Publicity

Roger Route
Gisèle Foulon

Foreign Liason

Eric Monberg

Financial Aid

David Bliss

Webmaster

Katherine Gudgel

Program Session Organizers

K. Bertness	K. Jackson	R. Scripa
R. Biefeld	R. James	P. Schunemann
A. Brown	G. Kowach	M. Skowronski
T. Ciszek	G. Loiacono	C. Wang
J. Derby	B. Orr	J. Warren
D. Gillies	A. Ostrogorsky	B. Wechsler
S. Hersee	D. Schlom	

Corporate Sponsors

At press time the following companies have generously offered their support to ACCGE-12.

Advanced Ceramics Corp
Bicron
Crystal Technology Inc
Engelhard - CLAL
Engis Corporation
Sensors Unlimited Inc
South Bay Technology
ThermCraft
II-VI Inc

Government Sponsors

The American Association for Crystal Growth wishes to express its thanks for the continuing support of:

NASA Microgravity Science & Applications Division
National Renewable Energy Laboratory

Exhibitors

At press time the following companies will exhibit their products and services at ACCGE-12:

Advanced Ceramics Corp
Advanced Specialty Chemicals
Aixtron Inc
Bede Scientific
Emcore Corporation
Engis Corporation
Engelhard - CLAL
FEC
GTI Technologies Inc
Huettinger Electronics Inc
Laser Technology West
Lepel
Logitech Product Group
Lucent Technologies
MR Semicon Inc
Performance Materials
PillarIndustries
Rohm and Haas Company
South Bay Technology
Taylor-Winfield Corp
Thermal Technology Inc
Toyo Tanso
Vesuvius McDanel

Scope of Conference

ACCGE-12 will provide a forum for the presentation and discussion of recent research and development activities in all aspects of bulk crystal growth and epitaxial thin film growth, with sessions integrating fundamentals, experimental and industrial growth processes, characterization, and applications. Contributed papers will be accepted in all relevant areas. In addition to focused sessions on the topics listed below, sessions will be organized based upon the topical distribution of contributed papers. The conference will include both oral and poster sessions.

Publication of Proceedings

Proceedings of ACCGE-12 will be published in a special issue of the Journal of Crystal Growth. Authors of abstracts accepted for presentation are invited to submit manuscripts (not to exceed four journal pages) by June 30, 2000. All manuscripts will be reviewed prior to the conference and must meet the usual standards of the Journal of Crystal Growth. All manuscripts should be submitted to:

David H. Matthiesen, Ph.D.
Case Western Reserve University
10900 Euclid Avenue
Cleveland, OH 44106
Phone (216) 368-1366 Fax (216) 368-3209
dhm5@po.cwru.edu

Late News

Late news papers will be accepted on a space available basis for poster presentation. To be included in the abstract book, late news abstracts are due **June 15, 2000**. Late news abstracts must be formatted properly and submitted electronically (see Call for Papers on the conference web site, <http://www.aml.arizona.edu/aacg>.)

Registration Fee

	Before July 1, 2000	After
Regular	\$435	\$510
Full Time Students	\$100	\$125
Accompanying person	\$25	\$40

The regular registration fee includes a complimentary AACG membership for the calendar year 2000, a copy of the collected abstracts, a copy of the *Proceedings*, a banquet ticket, the welcome social, continental breakfasts, and coffee service. The registration fee for an accompanying person includes the welcome social, continental breakfasts, and coffee. The student registration fee does not include a copy of the *Proceedings*. Additional banquet tickets are \$60 and additional copies of the proceedings are \$60. For advance registration, complete the attached form and submit with payment to the Conference Secretariat.

Facilities and Accommodations

All conference functions including the technical sessions, poster displays and industrial exhibits will be held at the facilities of the Vail Marriott Mountain Resort, Vail, Colorado. A block of rooms has been reserved at the Marriott at a special conference rate of:

Single/Double \$131 + tax
Room tax is currently 11.5%.

- To make a reservation, call the Marriott directly at (800) 648-0720 and mention AACG or American Association for Crystal Growth. Conference rates will be extended three days before and after the conference subject to availability.
- The deadline for making reservations on this room block is July 14, 2000. *Early reservations are recommended.*
- All reservations must be guaranteed with a credit card or deposit. Reservations may be cancelled without penalty up to 15 days before arrival. A \$25 charge will be assessed 15 days to 72 hours before arrival. Less than 72 hours before arrival, the guest is charged for one room night. Late arrival or early departures will also be charged to the individual for the entire reserved stay unless the Vail Marriott Mountain Resort has been given notice a minimum 24 hours prior to the scheduled arrival/departure. Carefully check the accuracy of your reservation confirmation.

Industrial Exhibit

An exhibit of apparatus, materials and services of interest to the crystal growth community will be held in an area adjacent to the technical sessions. This will also be the site for coffee breaks and an evening cocktail hour. Vendors interested in contracting space should contact:

Keith Torrance
Logitech Product Group
Struers Inc
810 Sharon Drive, Westlake, OH 44145
Phone (440) 871 0071
Fax (440) 871 8188
ktorrance@struers.com

Transportation

The Vail Marriott Mountain Resort is a two-hour drive from the Denver International Airport (DIA). There are also a limited number of direct flights serving the Vail/Eagle airport. Ground transportation from DIA to Vail can also be booked through Colorado Mountain Express. They operate approximately ten departures per day each way. Our group code is CRYSTAL. Phone numbers for reservations are 1-800-525-6363 or 1-970-949-4227. The rate is \$52/person each way from Denver International Airport.

Photo Contest

The ACCGE-12 Photo Contest will be held during the conference and submitted photographs will be displayed in a prominent location at the meeting. Participants are invited to submit photographs that portray scientific, technical and artistic aspects of crystals, crystal growth, or characterization. Awards will be given for first, second, and third place, best student entry, and awards committee favorite entry. Winners will be announced at the conference banquet and will receive ribbons and plaques. In addition, the best student entry will receive \$50. If the format allows, the winning photos will be published in the AACG Newsletter. Previous entries are not acceptable. Entries should be mounted on a stiff backing and should be no larger than 40 by 50 cm. Entries should be clearly labeled with the following information: a concise title; 25 to 75 word description of the technical significance of the entry; and submitter's name and affiliation. Submissions for the student category should be clearly labeled as such. The deadline for submission is July 15, 2000. The photos will be returned at the end of the conference. Send entries to ACCGE-12 Photo Contest c/o one of the chairs

Claudia J. Rawn	Glen R. Kowach
Oak Ridge National Lab	Lucent Tech.-Bell Labs
Metals & Ceramics Division	600 Mountain Avenue
Bldg 4515, MS6064	Rm. 1F-202
PO Box 2008	Murray Hill, NJ 07974
Oak Ridge, TN 37831-6064	Phone (908) 582-7577
Phone (423) 574 3184	kowach@lucent.com
Fax (423) 574 3940	
rawncj@ornl.gov	

Social Program

The conference social program will include a Sunday evening welcome reception and a Thursday evening conference banquet, both included with regular registration. Wednesday afternoon will be free for river rafting, jeep tours or one of many other Vail Valley activities.

Whitewater Rafting on the Colorado River

The Colorado River through the scenic Glenwood Canyon offers a little something for everyone. Spectacular high canyon walls, natural hot springs and some of the best late season whitewater in the state. Just 45 minutes west of Vail, this trip includes transportation, splash gear, life jackets, and helmets. Buses for the whitewater rafting will depart from the lobby of the Marriott at 1:30 PM, returning around 6:30 PM.

Jeep Tour:

Experience the magic of the Colorado Rockies from four-wheel drive Jeeps. Knowledgeable guides take you to elevations as high as 12,000 feet on Jeep trails in the White River National Forest. Travel through thick forest and open meadows filled with wildflowers. Enjoy crystal clear mountain streams and local wildlife. The tour departs from the lobby of the Marriott at 2:00 PM, returning around 5:00 PM and includes transportation and rain gear if needed.