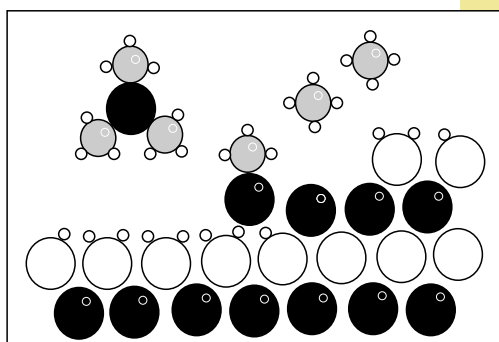


Organometallic Vapor Phase Epitaxy



ADVANCE PROGRAM

March 11–15, 2001

Hilton San Diego Resort
San Diego, California

NOTE: LATE NEWS PAPERS ACCEPTED
THROUGH FEBRUARY 11, 2001

TMS

Tentative Schedule of Events

TENTH BIENNIAL WORKSHOP ON ORGANOMETALLIC VAPOR PHASE EPITAXY

SUNDAY, MARCH 11, 2001

1:00pm–6:00pm Exhibit Set-up
1:00pm–7:00pm Registration
7:00pm–9:00pm Welcoming Reception

MONDAY, MARCH 12, 2001

7:00am–12:00pm AM Registration
6:00pm–9:00pm PM Registration
7:00am–9:00pm Speaker Ready Room
7:30am–8:10am Continental Breakfast
8:10am–8:20am Welcome & Opening Remarks
8:20am–10:00am Session – I
9:00am–12:00pm Exhibits
10:00am–10:40am AM Break
10:40am–12:00pm Session – II
1:00pm–5:00pm ... Boat Cruise (sponsored by Epichem)
6:30pm–7:00pm PM Break
7:00pm–9:00pm Session – III

TUESDAY, MARCH 13, 2001

7:00am–12:00pm AM Registration
6:00pm–9:00pm PM Registration
7:00am–9:00pm Speaker Ready Room
7:00am–8:00am Poster Session Set-up
7:30am–8:20am Continental Breakfast
8:20am–10:00am Session – IV
9:00am–12:00pm Exhibits
10:00am–10:40am AM Break
10:40am–12:00pm Session – V
1:00pm–5:00pm Tour of Old Town (optional)
6:30pm–7:00pm PM Break
7:00pm–9:00pm Poster Session
7:00pm–9:00pm Exhibits

WEDNESDAY, MARCH 14, 2001

7:00am–12:00pm AM Registration
6:00pm–8:00pm PM Registration
7:00am–9:00pm Speaker Ready Room
7:30am–8:20am Continental Breakfast
8:20am–10:00am Session – VII
9:00am–12:00pm Exhibits
10:00am–10:40am AM Break
10:40am–12:00pm Session – VIII
2:00pm–5:00pm Session IX
6:30pm–7:30pm Banquet Reception
7:30pm–9:30pm Banquet

THURSDAY, MARCH 15, 2001

7:00am–10:00am Registration
7:00am–11:30am Speaker Ready Room
7:30am–8:20am Continental Breakfast
8:20am–10:00am Session X
10:00am–10:40am AM Break
10:40am–12:00pm Session XI
8:00am–3:00pm Exhibit Tear-Down



Register early!

Scope

Whether in research or industry, OMVPE is a leading epitaxial-materials technology. The Tenth OMVPE Workshop follows the tradition begun at Cornell in 1983, and provides a forum for the exchange of recent scientific and technical knowledge. Scientists from industry, academia and government labs are invited to participate by presenting OMVPE-related papers. Technical sessions will cover the spectrum from fundamental to applied OMVPE topics. Exchange is an important feature of the workshop and the site and format have been chosen to promote informal interaction and communication.

Dates and Location

The Tenth Biennial Workshop on Organometallic Vapor Phase Epitaxy (OMVPE), sponsored by the Electronic Materials Committee of The Minerals, Metals and Materials Society (TMS) will be hosted at the Hilton San Diego Resort, San Diego, California, on Sunday, March 11 through Thursday, March 15, 2001.

Technical Sessions

The Tenth Biennial Workshop on Organometallic Vapor Phase Epitaxial Technical Program will commence at 8:20am on Monday, March 12, 2001. All sessions will be held at the Hilton San Diego Resort. Session and paper titles are included in this mailer.

Sessions will consist of morning and evening sessions, with afternoons free except for Wednesday afternoon. Poster presenters are invited to set up their posters early in the Workshop and poster spaces will be available at 7:00am Tuesday. You can view the posters on Tuesday, March 13 from 7:00pm–9:00pm. On Wednesday evening, a reception & banquet will be hosted at the Hilton Resort.

Workshop technical topics will include:

- Nitrides: growth, defects, and devices
- Mid-Infrared materials and devices
- In-situ monitoring and characterization
- Growth mechanisms
- Precursors
- GaInAsN
- Novel materials
- Devices

Late News Abstracts

Additional presentations will be considered as Late News Abstracts. A copy of the abstract should be submitted through the TMS website via the TMS Conference Management System (<http://cms.tms.org>) or by contacting the Program Chair, Dr. Robert M. Biefeld, no later than February 11, 2001. Authors of accepted Late News Papers will be notified prior to the conference.

Dr. Robert M. Biefeld
Dept 1126 MS 0601, Sandia National Lab
PO Box 5800, Albuquerque, NM 87185-0601
Phone: (505) 844-1556; Fax: (505) 844-3211

Workshop Paper Publication

Papers accepted for the Tenth Biennial Workshop on OMVPE will be reviewed for inclusion in a special issue of the Journal of Electronic Materials (JEM).

Papers for the special issue must not have been published previously and are not currently under consideration elsewhere. The primary purpose of JEM is to provide an archival record of new and original technical work that advances the science and technology of electronic materials.

Deadline receipt of papers for possible inclusion in the November 2001 issue of the Journal of Electronic Materials is March 1, 2001. Two copies of your manuscript (accompanied by a diskette containing your paper) must be provided along with the required TMS Transfer of Copyright form. For further information regarding paper submission, visit the TMS website at <http://www.tms.org>. Click on Author Guidelines within the Additional Features area on the home page, followed by clicking on the Journal of Electronic Materials (author guidelines) link, or use the following address: <http://www.tms.org/pubs/journals/JEM/authorguide.html>.

Further questions can be directed to either:
Dr. Kurt Gaskill, Proceedings Co-Chair
Naval Research Laboratory
4555 Overlook Ave. SW, Washington, DC 20375
Phone: (202) 767-3098
E-mail: gaskill@ccsalpha4.nrl.navy.mil

Dr. Mike Tischler, Proceedings Co-Chair
ATMI
550 W. Juanita, Mesa, AZ 85210
Phone: (480) 668-4013; Fax: (480) 890-2745
E-mail: tisch@atmi.com

NOTE THAT EACH PAPER MUST BE ACCOMPANIED BY:

- The corresponding author's name and address (building name or street name and number if possible)
- An abstract and key words line
- A diskette containing the above-noted items

A set of figure originals/glossy prints or good laser printer copies attached to the original copy of your paper.

TMS transfer of copyright form signed by the appropriate person for each paper (see TMS website at address noted above). Photo, fax and e-mail copies of this form are acceptable.

Please note that the Journal of Electronic Materials, like many other scientific and technical journals, depends on author page charges for a significant part of its support. Therefore, a charge of \$110 per printed page is levied for all papers published. One hundred reprints will be supplied without additional charge for every paper on which the payment of these charges is authorized.

Workshop Registration

Attendees are encouraged to register in advance to avoid delays in registering at the meeting. Also, pre-registration fees are lower than on-site fees. To register in advance and receive up to \$100 off the on-site fee, complete the registration form provided in this mailer. Advance registrations will be accepted until February 19, 2001. On-site registration will be held beginning Sunday and continuing through Thursday during the following hours:

Sunday, 3/11/01 1pm–7pm
Monday, 3/12/01 7am–12pm & 6pm–9pm
Tuesday, 3/13/01 7am–12pm & 6pm–9pm
Wednesday, 3/14/01 7am–12pm & 6pm–8pm
Thursday, 3/15/01 7am–10am

All attendees of The OMVPE Workshop, including authors and session chairs, are required to register.

Badges must be worn at all times to gain access to the technical sessions and the social functions.

2001 Organizing Committee

Dr. Christine A. Wang, Workshop Chair
MIT Lincoln Labs

Dr. Robert M. Biefeld, Program Chair
Sandia National Laboratory

Dr. Kurt I. Gaskill, Proceedings Co-Chair
Naval Research Laboratory

Dr. Mike Tischler, Proceedings Co-Chair
Epitronics Corporation

Dr. Rhaj Bhat
Corning, Inc.

Dr. Steve D. Hersee
University of New Mexico

Dr. Ron Moon
Agilent Technologies

Dr. Jerry Olson
National Renewable Energy Lab

Dr. Simon Watkins
Simon Fraser University

Refund Policy

Written requests must be sent to TMS Headquarters, 184 Thorn Hill Road, Warrendale, PA 15086. No refunds will be issued after the February 19, 2001 deadline. A \$50 processing fee will be assessed on all cancellations.

Letters of Invitation

The OMVPE Organizing Committee will issue letters of invitation to individuals requiring such a document. Such letters though, do not commit The OMVPE Organizing Committee to providing financial support. Fax, e-mail or mail your request for a letter of invitation to:

Michael Packard, CMP
Manager of Meeting Services
TMS, 184 Thorn Hill Road, Warrendale, PA 15086, USA
Fax: (724) 776-3770; E-mail: packard@tms.org

Recording Policy

The Minerals, Metals and Materials Society (TMS) reserves the rights to any audio and video reproduction of all presentations at TMS sponsored meetings. Recordings of sessions (audio, video, still photography, etc...) intended for personal use, distribution or copyright without the express written consent of TMS and the individual authors is strictly prohibited. Contact the TMS Technical Program Department to obtain a copy of the waiver release form.

Accommodations

A block of rooms has been reserved at the Hilton San Diego Resort, San Diego, California. Please refer to the housing form in this brochure for reservation information. Housing reservations must be made in advance and will be processed on a first-come basis. It is imperative that you reserve your room prior to the February 11, 2001 deadline. After February 11, rooms may be available but cannot be assured at the OMVPE rate.

If you phone the hotel for a reservation, be sure to identify yourself as an attendee of the OMVPE Workshop in order to be provided the Workshop housing rate of \$155 (US) single.

An advance deposit equal to one night's room and tax will be required when making your reservation.

ABOUT THE HILTON SAN DIEGO RESORT

Few settings are more beautiful than San Diego's Mission Bay, the largest aquatic park in the world and backdrop for the 4-diamond, 1st class Hilton San Diego Resort.

Conveniently located off interstate 5, just 10 minutes from San Diego's International Airport, the Hilton San Diego Resort is close to Sea World, the San Diego Zoo, historic Old Town, Seaport Village, and Downtown's Gaslamp Quarter.

With 357 impeccably appointed guestrooms and ample meeting space, the Hilton San Diego Resort is a perfect location for the OMVPE Workshop.

For nightlife, the Hilton San Diego Resort offers everything from contemporary, elegant dining to casual, poolside cafes.

RESORT ACTIVITIES INCLUDE:

- Villa di Lusso Spa – full-service spa and salon
- 5 night light tennis courts, fitness center, volleyball, basketball and bike trail
- Water sports include: sailing, jet skis and SCUBA
- Large heated pool, sundeck, and therapeutic spa
- Kids Klub video game room, children's wading pool and 2 putting greens
- Golf 3.7 miles away

There is complimentary parking on-site at the hotel.

Exhibitors/Sponsorship

Vendor exhibit will be hosted in the Pavilion. Refreshments during breaks will be served in the exhibit area. Exhibit hours are Monday, Tuesday and Wednesday from 9:00am–noon, and Tuesday evening from 7:00pm–9:00pm. Exhibit space will be assigned on a first-come, first-served basis. Purchase of a 10x10 booth (\$1000) includes one full Conference Registration (a \$460 value), a 6' draped table, and four free exhibit passes. Booths will include standard electrical service, chairs, and wastebasket.

Exhibit space may be reserved by contacting:

Cindy A. Wilson, Sales Coordinator
TMS, 184 Thorn Hill Road, Warrendale, PA 15086
Phone: 724-776-9000, ext. 231; Fax: 724-776-3770
E-mail: wilson@tms.org

Note: Extended coffee breaks will be held in the Exhibit Area.



THIS WORKSHOP IS SPONSORED BY
THE ELECTRONIC MATERIALS COMMITTEE OF THE
MINERALS, METALS & MATERIALS SOCIETY

Social Functions

Various social functions have been planned to supplement the formal technical workshop, including the following:

- **Welcoming Reception**
Sunday, 3/11/01 7:00pm–9:00pm
Sponsored by Axitron
- **Continental Breakfast and refreshment breaks throughout the week**
- **Boat Trip**
Monday, 3/12/01 1:00pm–5:00pm
Sponsored by Epichem
- **Workshop Reception and Banquet**
Wednesday, 3/14/01 6:30pm–9:30pm

Conference Tour

On Tuesday afternoon, we have organized a tour of San Diego's birthplace—Old Town. Transportation from the Hilton San Diego Resort to Old Town will be provided followed by the opportunity to wander through the town at your leisure before returning to the Hilton.

OLÉ! OLD TOWN

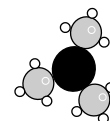
Cost: \$30.00 per person

Welcome to San Diego's birthplace! Old Town was considered the "downtown" of San Diego until Alonzo Horton arrived in 1867 and created "New Town," near the bay, which is today's Downtown San Diego. The central six blocks of Old Town is now an historical park, where original adobe "casas" still line the streets.

Immerse yourself in the history and romance of early California and Mexico as you spend the day discovering Old Town. Guests will enjoy walking through this enchanting park and shopping in the boutiques of Bazaar Del Mundo, which offers international crafts, clothing, delicious ethnic foods and colorful tropical gardens.

Golf

There may be some attendees who would enjoy 18 holes on Tuesday afternoon. We strongly recommend you reserve tee times in advance. Tee times are scheduled up to 30 days prior to the day you wish to play a round. For more information or to schedule a tee time at the River Rock Golf Course, contact the Pro Shop at (619) 296-4653.



Hertz Rent-a-car System has been selected as the official car rental company for the Tenth OMVPE Workshop, March 11–15, 2001, San Diego, California, USA



Meeting rates listed below, with free unlimited mileage, are guaranteed one week before, through one week after, the actual meeting dates and are subject to car availability. Rates are available from all San Diego locations.

Advance reservations may be made by calling the Hertz Reservations number (US: 1-800-654-2240; Canada: 1-800-263-0600; International: contact your local Hertz reservation center) and identify yourself as an attendee of the Tenth OMVPE Workshop. You must reference the CV number which follows: **CV #010P0012**.

TERMS AND CONDITIONS

- UMLIMITED MILEAGE ALLOWANCE ON ALL RATES.
- One-way service fee will apply when cars are not returned to renting location.
- Additional daily charges for optional coverages (Loss Damage Waiver, Effect Protection, refueling and state tax) are not included in the rates.
- Drivers must meet standard Hertz age, driver and credit requirements.
- Hertz is a frequent flyer partner with US Airways, Delta, Northwest, United and American Airlines. Frequent flyer information may be requested at time of car booking.

RATES			
CAR CLASS	DAILY PER DAY	WEEKEND PER DAY	WEEKLY PER DAY
A Economy 2DR	\$34.99	\$21.99	\$139.99
B Compact 4DR	\$39.99	\$25.99	\$159.99
C Midsize 2/4DR	\$42.99	\$27.99	\$174.99
D Sporty 2DR	\$45.99	\$32.99	\$189.99
F Fullsize 4DR	\$49.99	\$34.99	\$204.99
I Luxury	\$65.99	\$62.99	\$284.99
L 4Wheel Drive	\$65.99	\$62.99	\$284.99
T Premium 4WD SU	\$70.99	\$67.99	\$334.99
N Premium 4WD SU X-CAP	\$75.99	\$72.99	\$384.99
R Minivan	\$65.99	\$62.99	\$284.99

Car Classes T & N are not available from all locations. Standard rental and credit qualifications apply. Taxes, vehicle licensing fees/tax reimbursement, transportation fee, transaction fee, city fees and optional items, such as refueling, are extra. At some locations, an airport access fee of up to 10% may apply, but usually only if you choose to exit on our bus. At many airports and hotels, a 5% - 12.75% airport/hotel concession fee recovery applies on car rental.

Special Airfare

US Airways has been designated as the official carrier for the attendees of the OMVPE Workshop, March 11–15, 2001 in San Diego, California, and agrees to offer exclusive, low fares for the attendees.



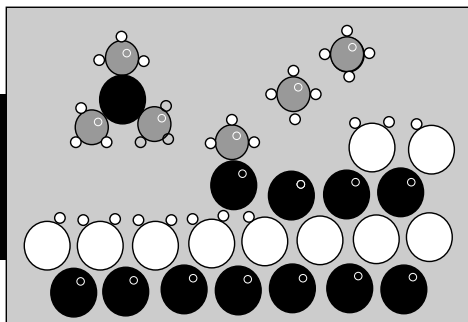
This special fare will offer a 5% discount off First or Envoy Class and any published US Airways promotional round trip fare. A 12% discount off unrestricted coach fares will apply with seven day advance reservation and ticketing required. Plan ahead and receive an additional discount by ticketing 60 days or more prior to departure. These discounts are valid provided all rules and restrictions are met and are applicable for travel from all points on US Airways route system.

U-S AIRWAYS

The above discounts are not combinable with other discounts or promotions, and are valid March 8–18, 2001. Additional restrictions may apply on international travel.

To obtain these discounts, you or your professional travel consultant must call US Airways' Meeting and Convention Reservation Office at 800-334-8644: 8:00am–9:30pm, Eastern Time.

Refer to Gold File No. 60671635



Advance Registration Form

Tenth Biennial Workshop on

Organometallic Vapor Phase Epitaxy

March 11-15, 2001 • Hilton San Diego Resort • San Diego, California USA

ADVANCE REGISTRATION DEADLINE: February 19, 2001

PAYMENT MUST ACCOMPANY FORM. Forms received past this date will be processed at the on-site fee.

Instructions: Check your selections and fill in the necessary information • Choose only one option for sending form • Please print or type

WEB

Take advantage of the convenience of on-line pre-registration via the TMS website:
<http://www.tms.org>
 Web registration requires credit card payment.

FAX

Fax this form to TMS Meeting Services
USA (724) 776-3770
 Fax registration requires credit card payment.

MAIL

Return this form with payment to Meeting Services
 TMS
 184 Thorn Hill Road
 Warrendale, PA 15086

MEMBER OF: TMS ISS SME SPE Member Number: _____

THIS ADDRESS IS: Business Home Employer/Affiliation: _____

Dr. Prof. Mr.

Mrs. Ms. _____

FIRST NAME

MIDDLE INITIAL

LAST NAME

Address: _____

City: _____ State/Province: _____ Zip/Postal Code: _____ Country _____

Telephone: _____ Fax: _____

COUNTRY

AREA/CITY

LOCAL NUMBER

COUNTRY

AREA/CITY

LOCAL NUMBER

E-Mail Address: _____ Guest/Spouse Name: _____

GUESTS DO NOT RECEIVE ADMISSION TO TECHNICAL SESSIONS.

SPECIAL NEEDS

- Vegetarian (V) Kosher (K) Low Fat/Salt (L)
 Please check here if a special accommodation is required.

Explain: _____

REFUND POLICY: Written requests must be mailed to TMS, post-marked no later than February 19, 2001. A \$50 processing fee will be charged for all registration cancellations.

REGISTRATION FEES

	ADVANCE FEES (until 2/19/01)	ON-SITE FEES (after 2/19/01)
<input type="radio"/> Registration Fee (includes workshop banquet)	\$460	\$560
<input type="radio"/> Student Fee (does not include banquet)	\$125	\$150

SOCIAL FUNCTION TICKETS

Tuesday, March 13

Tour of Old Town no. of tickets _____ @ \$30 / ticket ... \$ _____

Wednesday, March 14

Workshop Banquet (guest/spouse and student) no. of tickets _____ @ \$30 / ticket ... \$ _____

MEMBERSHIP DUES

TMS 2001 Membership Renewal \$90

TOTAL FEES PAID: \$ _____

PAYMENT ENCLOSED:

Check, Bank Draft, Money Order
 Make checks payable to TMS. Payment shall be made in US dollars drawn on a US bank.

Credit Card Expiration Date: _____

Card No.: _____

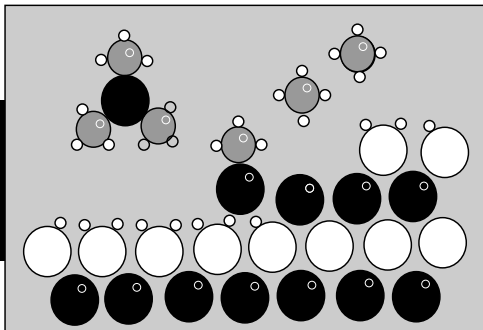
Visa MasterCard Diners Club American Express

Cardholder Name: _____

Signature: _____

REGISTRATION WILL NOT BE PROCESSED WITHOUT PAYMENT





Housing Registration Form

Tenth Biennial Workshop on

Organometallic Vapor Phase Epitaxy

March 11–15, 2001 ● Hilton San Diego Resort ● San Diego, California USA

Hilton San Diego Resort

PLEASE COMPLETE THE FORM BELOW AND RETURN TO: 1775 EAST MISSION BAY DRIVE, SD, CA 92109 ● FAX: (619) 275-8996

I plan to arrive: _____ I plan to depart: _____
DATE DATE

PLEASE CHECK:

- Standard Room Single/Double \$155
Room Tax 10.55%

A \$50 early departure fee will be assessed should you change your departure date AFTER you have checked in.

ALL RESERVATION REQUESTS MUST BE GUARANTEED BY THE FIRST NIGHT'S ROOM AND TAX BY PERSONAL CHECK OR CREDIT CARD. CANCELLATIONS MUST BE MADE SEVENTY-TWO (72) HOURS PRIOR TO ARRIVAL TO AVOID FIRST NIGHT'S BILLING. CREDIT CARDS WILL AUTOMATICALLY BE CHARGED.

All reservations must be received by:
Sunday, February 11, 2001.

Requests prior to and after convention dates will be accepted on a space available basis only. Convention rate applies three days prior and three days following official meeting date based on availability. (One card per room.)

Name: _____

Company: _____


Address: _____

City: _____ State: _____ Zip: _____

Country: _____

Telephone: _____ Fax: _____

Specific Requests (subject to availability): _____

ADA Specific Requirements:  _____

PAYMENT ENCLOSED:

Check, Bank Draft, Money Order

Credit Card

VISA MasterCard American Express Diners Club

Card Number: _____ Exp. Date: _____

Signature: _____

PLEASE NOTE:
CHECK-IN TIME IS 3:00 PM
CHECK-OUT TIME IS 12:00 NOON

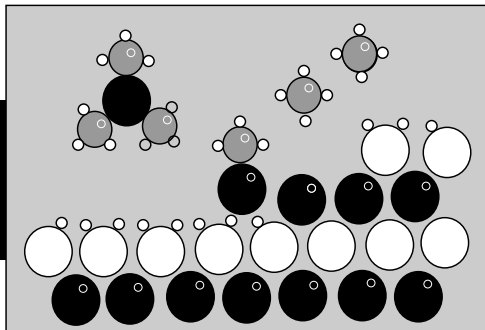


Exhibit Space Reservation Form

Tenth Biennial Workshop on

Organometallic Vapor Phase Epitaxy

March 11-15, 2001 • Hilton San Diego Resort • San Diego, California USA

TO RESERVE EXHIBIT SPACE, PLEASE COMPLETE THIS FORM AND RETURN IT TO CINDY A. WILSON AT THE ADDRESS GIVEN BELOW. SPACE WILL BE ASSIGNED ON A FIRST-COME, FIRST-SERVED BASIS.

Date: _____

Exhibit Contact: _____

Organization: _____

Address: _____

City: _____ State: _____ Postal Code: _____ Country: _____

Phone: _____ Fax: _____ E-mail: _____

Please reserve _____ (quantity) 10 ft x 10 ft booth spaces @ \$1000 each. \$ _____

DEPOSIT:

Our deposit of \$250 per booth is enclosed (refundable if cancelled by January 15, 2001 minus a \$30 processing fee).

Check (please make checks payable to TMS in US dollars and drawn on a US bank.)

Credit Card

MasterCard VISA Diners Club American Express

Card Number: _____ Exp. Date: _____

Signature: _____

TOTAL AMOUNT ENCLOSED: \$ _____

Cindy Wilson, Sales Coordinator
TMS

184 Thorn Hill Road, Warrendale, PA 15086 USA

Phone: (724) 776-9000, ext. 231; Fax: (724) 776-3770; E-mail: wilson@tms.org

Acknowledgements

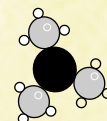
We wish to acknowledge the following organizations for their important contributions in support of the Workshop as Corporate Sponsors:

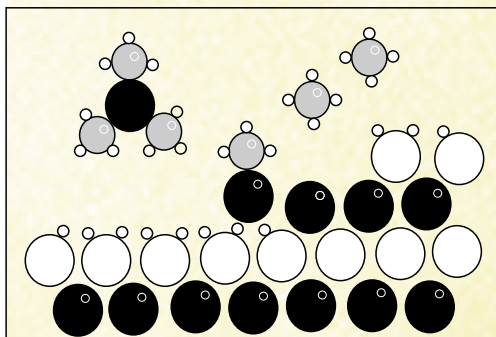
AIXTRON and Thomas Swan Welcoming Reception
EMCORE Corporation Banquet Reception
EMF Ltd..... Banquet Entertainment
Epichem Afternoon Boat Trip
Rohm & Haas Co. Poster Session Refreshments

Participants

The following companies have reserved space to participate in the trade Exhibition being held during the Workshop as of 12/5/00:

AIXTRON
Akzo Nobel
Bede Scientific
Compound Semiconductor Magazine
Emcore Corporation
Epichem
InPact
Johnson Matthey
LayTec GmbH
Matheson Tri-Gas
Phillips Analytical
Rohm and Haas Co.
SAES Pure Gas Inc.
Solkatronic Chemicals
Wafer Technology Ltd.





○MVPE **The leading epitaxial-materials technology conference!**

TMS

www.tms.org

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