

59th



**DEVICE
RESEARCH
CONFERENCE**

University of Notre Dame
Notre Dame, Indiana

June 25–27, 2001

TMS



ADVANCE PROGRAM

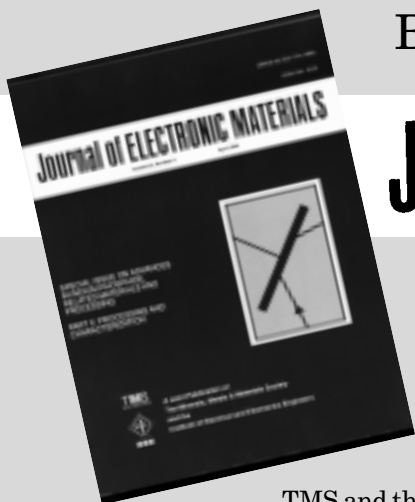
INCLUDING HOUSING AND REGISTRATION FORMS

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INTENDED AUDIENCE

The 59th Annual Device Research Conference (DRC) brings together scientists, engineers, and students to discuss new and exciting breakthroughs and advances in the field of device research. DRC is sponsored by the IEEE Electron Devices Society. A special session will be dedicated to new materials, novel devices, and emerging technologies. Invited speakers will present the latest developments in promising new devices and device technologies. A special poster session will be presented on exploratory device concepts and novel device technologies.



Benefit from the knowledge of others.

Journal of ELECTRONIC MATERIALS

The *Journal of Electronic Materials* (*JEM*), a monthly archival publication of

TMS and the Institute of Electrical and Electronics Engineers (IEEE), was created to serve as the publication of the Electronic Materials Conference. Throughout the year, *JEM* publishes selected papers presented at this conference and others in the electronic materials field, and welcomes the submission of articles related to electronic materials issues.

The journal contains technical papers detailing critical new developments in the electronics field, as well as invited and contributed review papers on topics of current interest, designed to enable those in the field of electronics to keep abreast of activities in areas vital to their own technical interests.

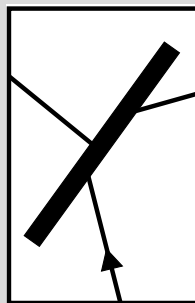
Articles that appear in *JEM* are reviewed, selected, and edited by peers in the field who serve as voluntary members of the editorial board or the board of associate editors or as section editors. Generally, they are members of the Electronic Materials Committee of TMS or are members of IEEE.

General manuscripts should be sent to Theodore C. Harman, Editor of the *Journal of Electronic Materials* at the following address:

Theodore C. Harman
Lincoln Laboratory
Massachusetts Institute of Technology
244 Wood Street
Lexington, MA 02420-9108
Telephone: (718) 981-4418
Fax: (718) 981-0122
E-mail: tharman@11.mit.edu

Detailed manuscript submission guidelines are available from the *JEM* web site at <http://www.tms.org/pubs/journals/JEM/jem.html>.

Benefit from the knowledge of others in the electronic materials field as a *JEM* subscriber. The *Journal of Electronic Materials* acts as a forum for the rapid circulation of the results of original research, enabling those in the electronic materials field to keep abreast of activities peripheral to their own. The journal focuses on electronic memory and logic structures, magnetic-optical recording media, superlattices, packaging, detectors, emitters, metallization technology, superconductors, and low thermal-budget processing and includes general papers on electronic materials for device application, structure making, reliability and yield. Articles on methods for preparing and evaluating the chemical, physical, and electronic properties of electronic materials are also included.



JEM subscriptions are available in both print and electronic formats. In addition to receiving on-line access to the current issues of the journal,

electronic subscribers have unlimited access to past journal issues with their subscription. TMS and IEEE members receive significant discounts on *JEM* subscriptions.

Individual issues of the journal may also be purchased through the TMS Document Ordering Center (DOC) for \$15 a copy, plus shipping, at <http://doc.tms.org> or through TMS Subscriptions Representative Mark Cirelli at the following address:

TMS Subscriptions
184 Thorn Hill Road
Warrendale, PA 15086
Telephone: (724) 776-9000, ext. 251
Fax: (724) 776-3770
E-mail: subscriptions@tms.org

GENERAL INFORMATION

DATE AND LOCATION

The 59th Annual Device Research Conference (DRC) sponsored by the IEEE Electron Device Society will be held at the University of Notre Dame, Indiana, June 25–27, 2001. This conference is being coordinated with the Electronic Materials Conference (EMC) of TMS, which will take place June 27–29, 2001, at the same location.

ABOUT THE UNIVERSITY OF NOTRE DAME

A leading Catholic research university, Notre Dame stands among the nation's top 20 universities in terms of both academics and endowment. The university is organized into four undergraduate colleges—arts and letters, science, engineering, and business—the Graduate School, the Law School, and the School of Architecture. The combination of groundbreaking research and a long tradition of excellence in undergraduate and graduate education has attracted world-class teachers and scholars to the university's 729-member teaching-and-research faculty. The total student population of about 10,700 men and women is drawn from all 50 states and some 88 foreign countries and includes 1,500 graduate students and 1,150 professional students. Substantial new investments in a wide range of academic programs, institutes, centers, and major facilities have marked the past several years at Notre Dame. Founded in 1842 by a priest of the Congregation of Holy Cross, Notre Dame is located north of the city of South Bend, Indiana, and about 90 miles southeast of Chicago. Its 1,250-acre-campus contains two lakes and 104 buildings with an insured replacement value of more than \$875 million. The university's Main Building with its famed Golden Dome is among the most widely known university landmarks in the world.

For more information on the University of Notre Dame, visit the university website at:

<http://www.nd.edu/>

An on-line campus map is available at:

<http://www.nd.edu/map/>

TECHNICAL SESSIONS

The Device Research technical program will commence at 8:30 AM on Monday, June 25. All sessions will be held on grounds at the University of Notre Dame in DeBartolo Hall. The Plenary Session will be located in Room 101, DeBartolo Hall.

Session and paper titles are included in this brochure.

PROGRAM

A conference digest with session titles and abstracts of papers to be presented at the meeting will be made available for all registrants at the time of registration.

AMERICANS WITH DISABILITIES ACT

TMS strongly supports the federal Americans with Disabilities Act (ADA) which prohibits discrimination against, and promotes public accessibility for those with disabilities. In support of and compliance with this Act, we ask that those attendees of DRC requiring specific equipment or services indicate their needs on the enclosed housing and registration forms.

POLICY ON AUDIO AND VISUAL RECORDING OF TECHNICAL PAPER PRESENTATIONS/SESSIONS

TMS reserves the rights to any audio and video reproduction of all presentations at every TMS sponsored meeting. Recording of sessions (audio, video, still photography, etc.) intended for personal use, distribution, publication, or copyright without the express written consent of TMS and the individual authors, is strictly prohibited.

COMPUTER/NETWORK FACILITIES

Registrants will have access to Notre Dame's information technology infrastructure, which includes more than 500 workstations in 13 computer clusters, and the *ResNet* Ethernet network providing internet access to all campus dorm rooms and several public areas. A temporary username and password will be provided to advance registrants upon check-in. Each technical session room is equipped with both Windows and Power Mac workstations and video projectors. Speakers wishing to use PowerPoint may bring presentations on CD, floppy, or 100 Mb Zip Disks.

REGISTRATION

DRC Registration and Housing forms are included in the center of this brochure.

Early Housing and Registration are Advised.

CONFERENCE REGISTRATION

All attendees are encouraged to register in advance to avoid delays in registering at the Conference. Both Electronic Materials Conference (EMC) and Device Research Conference (DRC) badges will be accepted by both Conferences on Wednesday, June 27. Advance registration fees are as follows:

- IEEE and TMS members \$320
- IEEE and TMS non-members \$380
- Students \$125.

Registration fee includes Welcoming Reception, Coffee Breaks, Poster Session Buffet, Conference Picnic, attendance to all Technical Sessions, and EMC Exhibit on Wednesday.

To advance register, complete the registration form provided in the center of this mailer. Advance registration will be accepted until June 4, 2001. For questions on advance registrations, please contact TMS Meeting Services by telephone (724) 776-9000 ext. 243; fax (724) 776-3770; or e-mail mtgserv@tms.org.

You may register at the Conference. On-site registration will be located in McKenna Hall and will begin on Sunday afternoon continuing Monday morning through Wednesday morning during the

EXHIBIT

TECHNICAL EXHIBIT

On Wednesday, June 27, from 9:20 AM until 4:00 PM, DRC attendees are invited to attend the EMC Exhibition of electronic materials technology and related services. It is an opportunity for DRC attendees to meet EMC's world top electronic materials research and industry leaders in addition to learning more about EMC products and services. You are encouraged to visit the tabletop exhibits and interact with the participating vendors.

Exhibit Location: McKenna Hall (lower level)

ACCOMMODATIONS

DRESS

Casual clothing is in order with a sweater or light jacket occasionally needed in the evenings. The University of Notre Dame is essentially a walking campus, so be sure to wear comfortable walking shoes.

ON-CAMPUS HOUSING ACCOMMODATIONS

We are pleased to invite DRC attendees to reside on the campus of the University of Notre Dame. Notre Dame is a summer tourist area and accommodations can be difficult to secure. Therefore, early registration and reservations are essential. On-campus accommodations will be available on a first request basis in one of four recently constructed, air-conditioned residence halls within a five-minute walk from the technical session area. Accommodations are either single or double occupancy dormitory rooms each with its own sink. Common shower and restroom facilities are designated for men and women on each floor. Guests may wish to bring a robe and shower thongs. Linen service for towels and bed sheets will be provided, however, washcloths are not. Calling card-accessible phones are available within the residence hall lobbies. The residence halls cannot provide a wake-up service, so you may wish to bring an alarm clock. Conference attendees bringing personal computers with Ethernet connectivity can enjoy free internet access through *ResNet*, Notre Dame's high-speed network wiring in every dorm and several public areas on campus (cable with RJ-45 connector required).

Please also check the hotel listings in the Off-Campus Housing section of this brochure.

The University of Notre Dame offers the following package plans to provide planning flexibility and the option to attend both DRC and EMC. Residence hall package plans A, B, and C include full meal service. Residence hall room packages without meals are not available. No adjustments from the chosen package for lodging or meals will be made for late arrival or early departure.

Please indicate your plan preference on the enclosed reservation form and return it with your payment to:

Peter Lombardo
Director, Continuing Education
109 McKenna Hall
PO Box 1008
Notre Dame, IN 46556
Telephone: (219) 631-7005
Fax: (219) 631-8083
E-mail: lombardo.1@nd.edu

METHOD OF PAYMENT

Payment in U.S. dollars may be made by:

- Check or Money Order.
Checks must be drawn on a U.S. Bank and made payable to "The University of Notre Dame, CCE".
- Credit Card
Visa or MasterCard only

If your reservation is received at the university by May 18, 2001, the Continuing Education Office will send a confirmation of your reservation to you. Pre-payment for the anticipated number of nights is required.

Meals will be served in the South Dining Hall, conveniently located near the residence halls, during the following hours:

Breakfast 7:00 AM–8:00 AM
Lunch 11:45 AM–1:15 PM
Dinner 5:30 PM–7:00 PM

NOTE: Food facilities on campus close at 7:00 PM.

ACCOMMODATIONS

PLAN A

Includes lodging Monday through Tuesday nights and the following 6 meals:

Monday	lunch and dinner
Tuesday	breakfast and lunch (picnic dinner by St. Mary's Lake on campus included with DRC registration; no dining commons meal offered)
Wednesday	breakfast and lunch
Single Occupancy	\$117.70
Double Occupancy	\$107.70

PLAN B

Includes lodging Sunday through Tuesday nights and the following 8 meals:

Sunday	dinner
Monday	breakfast, lunch, and dinner
Tuesday	breakfast and lunch (picnic dinner by St. Mary's Lake on campus included with DRC registration; no dining commons meal offered)
Wednesday	breakfast and lunch
Single Occupancy	\$167.30
Double Occupancy	\$149.30

PLAN C

(for those planning to attend DRC and EMC)

Includes lodging Sunday through Thursday nights and the following 13 meals:

Sunday	dinner
Monday	breakfast, lunch, and dinner
Tuesday	breakfast and lunch (picnic dinner by St. Mary's Lake on campus included with DRC registration; no dining commons meal offered)
Wednesday	breakfast, lunch, and dinner;
Thursday	breakfast and lunch (dinner in downtown South Bend included with EMC registration; no dining commons meal offered)
Friday	breakfast and lunch
Single Occupancy	\$274.50
Double Occupancy	\$244.50

EARLY ARRIVAL

Saturday Night (June 23) Room Rate.

NOTE: No meals are included with prices. Cash will be accepted in the dining hall.

Single Occupancy	\$29.00
Double Occupancy	\$23.00

LATE DEPARTURE

Friday Night (June 29) Room Rate.

NOTE: Friday night and Saturday morning meals are not included with prices. Cash will be accepted in the dining hall.

Checkout on Saturday is 10:00 AM

Single Occupancy	\$29.00
Double Occupancy	\$23.00

COMMUTER LUNCH PACKAGE

For attendees who plan to make off-campus housing arrangements directly with the hotel/motel and wish to purchase a commuter- lunch package for on-campus meals, the following packages are available through the University of Notre Dame.

NOTE: It is important to apply early.

Three (3) lunches	\$31.50
Five (5) lunches	\$52.50

NO REFUNDS WILL BE MADE FOR LATE ARRIVALS, EARLY DEPARTURES, OR MISSED MEALS.

CAMPUS SMOKING POLICY

The University of Notre Dame prohibits smoking in its buildings, including residence halls. Smoking is allowed only in designated areas outside buildings.

RECREATION

Conference nametags must be worn at all times and room keys must be presented in order to use the recreational facilities. The 9-hole ND Golf Course (telephone (219) 631-6425) is located on campus and the new 18-hole Warren Golf Course (telephone (219) 631-4653) is located just north of the campus.

ACCOMMODATIONS

Call for times, availability, and prices. Tee times may be made seven days in advance. Swimming is available at two locations on campus with a \$3.00 charge for use of the facility. Call (219) 631-5980 and (219) 631-5297 to verify times. Racquetball, basketball, squash, and weight lifting are other options for recreation. There is a \$3.00 charge for the facility. Please call (219) 631-5297 to verify times and availability. The Courtney Tennis Center is an all-weather outdoor court available during daylight hours on a first come, first serve basis. Walking and jogging route maps with distances are available at the Information Desk in the Center for Continuing Education, McKenna Hall. For further facility information see <http://www.nd.edu/~recsport>. More complete information will be available when you arrive for the conference.

For information regarding the University of Notre Dame on-campus housing, please contact:

Peter Lombardo

Director, Continuing Education

109 McKenna Hall, PO Box 1008

Notre Dame, IN 46556

Telephone: (219) 631-7005, Fax: (219) 631-8083

E-mail: lombardo.1@nd.edu

OFF-CAMPUS HOUSING ACCOMMODATIONS

Blocks of rooms have been reserved at special conference rates for the hotels listed below. Rooms will be held at these rates until June 1, 2001. Thereafter, reservations can be obtained only on a space available request. Please contact the hotel directly by mail or phone as soon as possible. Rooms are available for DRC, EMC, or both, Sunday through Thursday nights, **and you must identify yourself as either a DRC or EMC attendee**. You may also stay Friday or Saturday night, if you request at the time you make your reservations, however, the special rates below DO NOT apply to weekend rates. Friday and Saturday rates will be higher. Room rates do not include the local 11% tax rate.

Holiday Inn – University Area

515 N. Dixie Way, South Bend, IN 46637
(219) 272-6600, ext. 7456 (Kathy Hoban)

This hotel has undergone extensive renovation and remodeling in the past few months and is expected to be completed by May 2001. The famed “Gipper’s Lounge” is a widely known local evening gathering place.

Room rate:

\$72.95 per night, per room

Ask for Kathy Hoban when you call for your reservation.

Best Inns of America

425 N. Dixie Way, South Bend, IN 46637
(219) 277-7700

Located next door to the Holiday Inn – University Area. This is a very comfortable inn with spacious and friendly accommodations. A light continental breakfast is included in the room rate.

Room rate:

\$56.99 per night, per room

Marriott Hotel of South Bend

123 N. St. Joseph St., South Bend, IN 46601
(219) 234-2000

One of South Bend’s finest and most luxurious hotels. The Marriott is located in the heart of downtown South Bend, convenient to nightlife and fine dining.

Room rate range:

\$89–\$119 per night, single accommodation

The Morris Inn

(on the University of Notre Dame campus)
P.O. Box 1085, Notre Dame, IN 46556
(219) 631-2000

A small, but very convenient hotel on the University campus. This hotel offers excellent views of the campus and fine dining in its Sorin’s Restaurant.

Room rate range:

\$82–\$96 per night, single accommodation

\$90–\$104 per night, double accommodation

SOCIAL EVENTS

MONDAY POSTER SESSION

The poster session will be held Monday evening in the DeBartolo Hall. A buffet reception will also be held concurrently beginning at 5:30 PM. Presenters will be on hand to discuss individual posters.

TUESDAY CONFERENCE PICNIC

On Tuesday, June 26, from 6:00 PM–8:00 PM, conference attendees and their guests will have the opportunity to enjoy a catered picnic at St. Mary's Lake on the grounds of the University of Notre Dame. The lake is easily accessible by walking. The cost of this event is included in full conference and student registration fees.

The cost of the conference picnic for spouse and guests is \$30 for adults and \$15 for children 12 and under. You may order tickets for this event on the registration form. You are encouraged to purchase your tickets in advance. Tickets will be available for purchase at the DRC registration desk. Deadline for ticket sales will be Noon on Monday, June 25, 2001.

TUESDAY RUMP SESSION

This event is also planned on Tuesday, June 26, after the DRC Conference Picnic. The Rump Session will take place from 8:30 PM–11:00 PM in DeBartolo Hall.

INFORMAL COFFEE BREAKS

During the intermission of morning and afternoon sessions, informal coffee breaks will feature coffee, tea, assorted pastries, and sodas to be served in DeBartolo Hall.

All attendees are invited to attend a Welcoming Reception on Sunday, June 24, from 6:30 PM–8:30 PM at the University of Notre Dame in McKenna Hall.

**For information regarding the 2001
Device Research Conference,
please contact:**

GENERAL PROGRAM CHAIR

Mark Rodwell

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Manager, Meeting Services
TMS
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Warrendale, PA 15086
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Fax: (724) 776-3770
E-mail: packard@tms.org

TRANSPORTATION

Notre Dame is located approximately 90 miles southeast of Chicago and may be reached as follows:

BY AIR

Notre Dame is about 15 minutes from South Bend Regional Airport (<http://www.sbnair.com>). Ask your travel agent to book you to South Bend, Indiana.

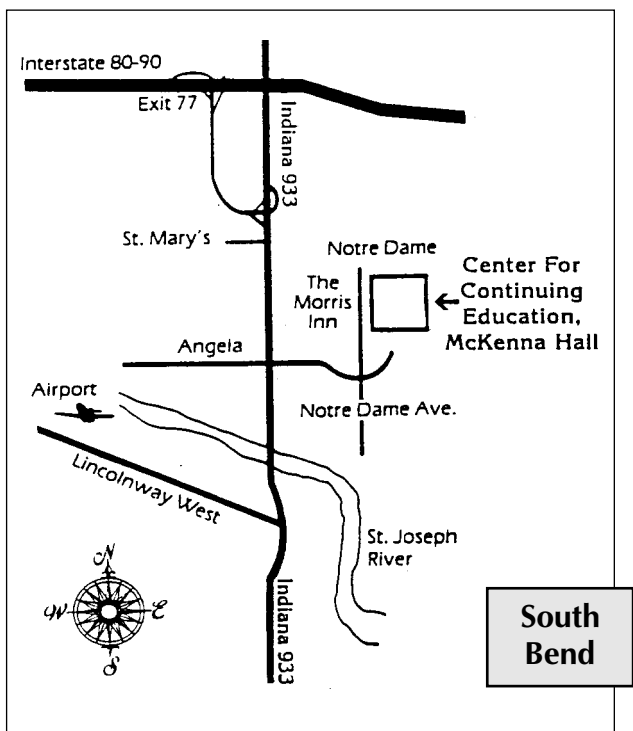
From the airport take “Lincolnway West” East (Left out of the airport) to downtown South Bend. Turn Left on Indiana 933 (Michigan St.). Stay on Indiana 933 to Angela Boulevard, second stop light north of the St. Joseph River. Turn right onto Angela Boulevard then left at the first stop light onto Notre Dame Avenue. Visitor parking is located on the right side of Notre Dame Avenue about 200 yards from Angela Boulevard.

You can also fly to Chicago International Airport and drive or take a motor coach bus. The University is about 2 hours (by car) from O’Hare airport, less to Midway. From O’Hare Airport: Take Route 190 east out of O’Hare to Route 90 east (Kennedy Expressway) toward downtown Chicago where it merges with Route 94 south (Dan Ryan Expressway). Take the Skyway exit off the Dan Ryan and remain on Route 90 to the Indiana Toll Road, which eventually merges with Route 80. Get off at Exit 77 (South Bend/Notre Dame).

BY CAR

From the north—The University is located just south of the Indiana Toll road (Interstate 80/90). Exit Interstate 80/90 at exit 77 and turn right onto Michigan (Indiana 933). Make a left at the 4th stop-light (Angela Boulevard). Make a left at the first stop light (Notre Dame Avenue). Visitor parking is located on the right side of Notre Dame Avenue about 200 yards from Angela Boulevard.

From the south—Take US 31 north which becomes Indiana 933 just south of South Bend. Stay on Indiana 933 to Angela Boulevard, second stop light north of the St. Joseph River. Turn right onto Angela Boulevard then left at the first stop light onto Notre Dame Avenue. Visitor parking is located on the right side



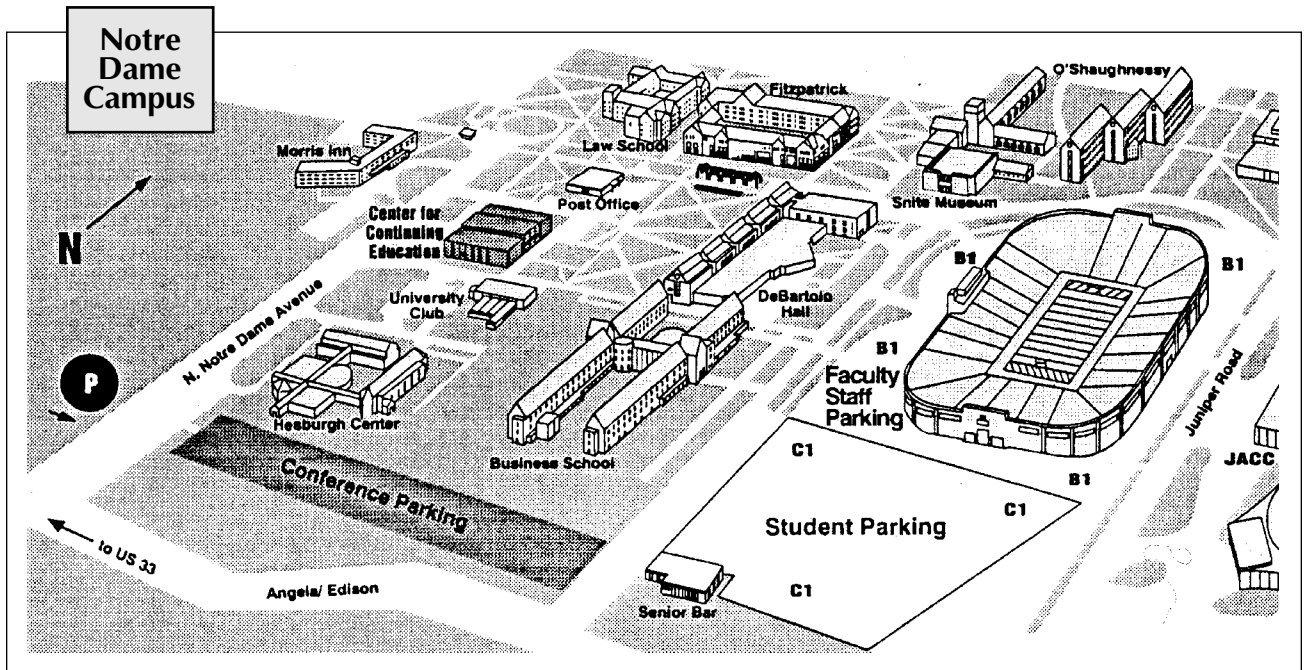
of Notre Dame Avenue about 200 yards from Angela Boulevard.

BY TRAIN

The South Shore Line trains (see <http://www.nictd.com>) run directly from the Chicago Loop to the South Bend Regional Airport in South Bend. AMTRAK services Notre Dame via east and west trains.

BY TAXI AND LIMOUSINE

The campus is easily accessible from South Bend's airport by a 10-minute taxi ride. Limousine (motor coach bus) service is provided by United Limo directly to and from the campus and both Chicago's O'Hare and Midway Airports with 10 trips daily. Buses leave the Bus/Shuttle Center at O'Hare and arrive on campus at the main gate on Notre Dame Avenue. Buses run on a schedule, and will not accommodate reservations. Seating is first-come-first-serve basis. On rare occasions, a bus will fill to capacity, but ordinarily this will not be the case. Purchase tickets at the bus service counter at the time of boarding.



PARKING

Visitor parking is permitted in the parking lot south of the Hesburgh Center, off Notre Dame Avenue. Coupons to exit the lot (\$1.00 each) are available at the Information Desk of the Center for Continuing Education (CCE) in McKenna Hall. The parking fee

is not included in the cost of housing. Cars parked illegally are subject to ticketing. The parking lot of the Morris Inn is restricted to overnight and dining guests of the Inn. Parking for handicapped guests with appropriate license designations is located in the drive, north of the CCE.

TMS NON-MEMBER ATTENDEES

Become a TMS Member

TMS addresses issues of Electronic Materials.

- Get involved with the activities of the Electronic Materials Committee.
- Tap into a monthly archival reference source for scholarly work on electronic materials and resultant devices by subscribing to the *Journal of Electronic Materials*.
- Network with a prestigious membership through international conferences sponsored by TMS.

All TMS members receive discounted pricing on meetings, publications, and short courses. Members also receive a complimentary subscription to *JOM*, the highly respected society journal and access to the TMS Membership Directory on TMS OnLine.

To join, complete and submit the TMS membership application form inside this brochure. For more information, contact TMS at:

Telephone: (724) 776-9000, ext. 221

Fax: (724) 776-3770

E-mail: membership@tms.org

www.tms.org

SPECIAL AIRFARE



U·S AIRWAYS

OFFICIAL CARRIER OF THE 2001
DEVICE RESEARCH CONFERENCE

US Airways agrees to offer an exclusive low rate for the attendees traveling to the 2001 Device Research Conference in Notre Dame, Indiana. Offer applies to flights on US Airways via Chicago, Illinois and South Bend, Indiana.

This special fare will offer a 7% discount off First or Envoy Class and any published US Airways promotional round trip fare **via Chicago**. A 12% discount on unrestricted coach fares will apply with seven-day advance reservations and ticketing **via Chicago**. US Airways will offer a 5% discount off First or Envoy Class and any published US Airways promotional round trip fare and a 10% discount on unrestricted coach fares with seven-day advance reservations and ticketing **via South Bend**. 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.

The above discounts are not combinable with other discounts or promotions, and are valid three days before and after the meeting dates. 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 toll free at (877) 874-7687; 8:00 AM – 9:30 PM, Eastern Time.

REFER TO GOLD FILE NO. 60671635

Once your reservations are confirmed, we will mail the tickets to you or suggest several other convenient methods of purchase.

If you normally use the services of a travel agent or corporate travel department, please have them place the call so that they may obtain the same advantages for you. The special meeting fare is only available through the US Airways Meeting and Convention Reservation Office

SPECIAL CAR RENTAL



HAS BEEN SELECTED AS THE OFFICIAL
CAR RENTAL COMPANY FOR THE 2001
DEVICE RESEARCH CONFERENCE

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 Indiana 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 nearest Hertz reservation center) and identify yourself as an attendee of the Device Research Conference and reference the CV number which follows:

You must give the reservations agent the Hertz CV#010P0011.

Meeting Rates from all Southern California Locations

CAR CLASS	DAILY PER DAY	WEEKEND PER DAY	WEEKLY 5-7 DAY
A Economy 2DR	\$34.99	\$21.99	\$129.99
B Compact 4DR	\$39.99	\$25.99	\$149.99
C Midsize 2/4DR	\$42.99	\$27.99	\$164.99
D Sporty 2DR	\$45.99	\$32.99	\$179.99
F Full-size 4DR	\$49.99	\$34.99	\$194.99
I Luxury	\$65.99	\$62.99	\$274.99
L 4 Wheel Drive	\$70.99	\$67.99	\$324.99
R Minivan	\$65.99	\$62.99	\$274.99

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. At many airports and hotels, a 5% - 12.75% airport/hotel concession fee recovery applies on car rental.

Terms and Conditions:

- UNLIMITED MILEAGE ALLOWANCE ON ABOVE RATES.
- One-way service fee will apply when cars are not returned to renting location.
- Additional daily charges for optional coverage (Loss Damage Waiver, Personal Accident Insurance, Personal Effect Protection, refueling and state tax) are not included in the above 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.

ORGANIZING COMMITTEE

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University of California, Santa Barbara

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Daniel J. Radack, Defense Adv. Res. Projects Agcy.

Leonard Franklin Register, The University of Texas at Austin

Olav Solgaard, Stanford University

Vivek Subramanian, University of Berkeley

Yasuo Takahashi, NTT Basic Research Labs

Jeffrey Welser, IBM Microelectronics Division

ADVANCE REGISTRATION FORM59TH ANNUAL DEVICE RESEARCH CONFERENCE
June 25-27, 2001 / University of Notre Dame, Notre Dame, IN USA

WEB	FAX	MAIL
Take advantage of the convenience of on-line pre-registration via the TMS website: http://www.tms.org . <i>Web registration requires credit card payment.</i>	Fax this form to: TMS Meeting Services (724) 776-3770 <i>Fax registration requires credit card payment.</i>	Return this form with payment to: TMS Meeting Services 184 Thorn Hill Road Warrendale, PA 15086 USA

ADVANCE REGISTRATION DEADLINE: JUNE 4, 2001**PAYMENT MUST ACCOMPANY FORM****Forms received after June 4, 2001 will be processed at the next higher fee.**

Please print or type: Member Identification Number: (TMS or IEEE) _____

 Dr. Prof. Ms. Mr./Mrs. **This address is:** Business/Home/New Address/Address Correction

Last Name

First Name

Middle Initial

Company/School/Organization: _____

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.

Please check the appropriate category and enter the total where indicated.

REGISTRATION FEES – Includes all Receptions and Tuesday Conference Picnic

	Postmarked by June 4, 2001	Postmarked after June 4, 2001
<input type="checkbox"/> Full Conference Member	\$ 320.00	\$ 370.00
<input type="checkbox"/> Full Conference Non-Member	\$ 380.00	\$ 430.00
<input type="checkbox"/> Student	\$ 125.00	\$ 175.00

ADDITIONAL SOCIAL FUNCTION TICKET – Tuesday Conference Picnic at St. Mary's Lake

<input type="checkbox"/> Adult	\$30	x	number _____	\$ _____
<input type="checkbox"/> Children under 12	\$15	x	number _____	\$ _____

PAYMENT OPTIONS Make checks payable to TMS. Payment should be made in US dollars drawn on a US bank or via the following: VISA MasterCard American Express Diner's Club

Registration Fees \$ _____

Additional Tickets \$ _____

TOTAL FEES PAID \$ _____

Card No.: _____ Exp. _____

Cardholder Name: _____

Signature: _____

REFUND POLICY: Written requests must arrive at TMS no later than June 4, 2001. A \$50 processing fee will be charged for all cancellations. No refunds will be issued after June 4, 2001.

**ON-CAMPUS HOUSING RESERVATION FORM
DEVICE RESEARCH CONFERENCE (DRC)**

PLEASE RETURN THIS FORM BY MAY 18, 2001 TO:

University of Notre Dame, Notre Dame, IN
June 25-27, 2001

BY MAIL: DRC
Center For Continuing Education
PO Box 1008
Notre Dame, IN 46556 USA
BY FAX: Credit Card payment only (219) 631-8083

Please print or type:

Name: Mr. Mrs. _____
Last Name First Name Middle Initial

Arrival Date: _____ Departure Date: _____

Company/School/Organization: _____

Address: _____

City State/Province Zip/Postal Code Country

Telephone: _____ Fax: _____
Country Area/City Local Number Country Area/City Local Number

E-Mail Address: _____ Special Needs: _____

Name of person sharing room: _____ Arrival Date: _____ Departure Date: _____

The residence hall accommodations reserved at the University are single and double occupancy. Rooms will be assigned on a first-request basis so early reservation is recommended.

I PLAN TO ATTEND DRC AND WISH TO MAKE THE FOLLOWING ARRANGEMENTS:

(Refer to "On-Campus Housing" in this brochure for details.)

PLAN A: Lodging on Monday through Tuesday and 6 meals.

- Plan A: Single \$117.70
- Plan A: Double \$107.70

PLAN B: Lodging on Sunday through Tuesday and 8 meals.

- Plan B: Single \$167.30
- Plan B: Double \$149.30

I PLAN TO ATTEND BOTH DRC AND EMC. I UNDERSTAND THAT I MUST REGISTER FOR THE ELECTRONIC MATERIALS CONFERENCE SEPARATELY ON THE EMC REGISTRATION FORM, BUT WISH TO MAKE MY HOUSING AND MEALS ARRANGEMENTS ON THIS FORM (submit one Housing Reservation form only)

PLAN C: Lodging Sunday through Thursday and 13 meals.

- Plan C: Single \$274.50
- Plan C: Double \$244.50

EARLY ARRIVAL (Saturday, June 23):

- Lodging only—meals not included on Saturday.
- Single \$29.00
 - Double \$23.00

LATE DEPARTURE (Friday night, June 29):

- Lodging Friday evening.
- Single \$29.00
 - Double \$23.00

COMMUTER LUNCH PACKAGE:

I plan to make off-campus housing arrangements and wish to purchase a Commuter Lunch Package for on-campus meals.

- 3 DRC Lunches (\$31.50/person) \$ _____
- 5 DRC/EMC Lunches (\$52.50/person) \$ _____

PAYMENT OPTIONS:

- Make checks payable to Notre Dame CCE. *Payment should be made in US dollars drawn on a US bank.*
- VISA MasterCard

Card No.: _____ Exp. Date: _____

Cardholder's Name: _____

Signature: _____

Housing Plan Fees \$ _____

Commuter Lunch package ... \$ _____

TOTAL FEES PAID \$ _____