



# THE INSTITUTE OF ELECTRICAL AND ELECTRONICS ENGINEERS

INCORPORATED

## CONFERENCE COMMITTEE

Dr. S. R. Hofstein, Chairman  
RCA Labs  
Princeton, New Jersey

Prof. G. Warfield, Technical Program Chairman  
Electrical Engineering Department  
Princeton University  
Princeton, New Jersey

Dr. E. Snow  
Fairchild Semiconductor Corporation  
4001 Juniperro Serra Blvd.  
Palo Alto, California

Dr. G. Schnable, Treasurer  
Philco Corporation  
Church Road  
Lansdale, Pennsylvania

Dr. J. P. Mize  
Texas Instruments Inc.  
P. O. Box 5012  
Dallas, Texas

Dr. A. Goetzberger, Invitations Chairman  
Bell Telephone Laboratories  
Murray Hill, New Jersey

Dr. R. N. Hall  
G. E. Research Labs.  
P.O. Box 1088  
Schenectady, New York

1967 IEEE SILICON INTERFACE  
SPECIALIST CONFERENCE

March 1-3, Stardust Hotel, Las Vegas

PROGRAM\*

Session I - Surface States-Measurement Techniques and Results

Wednesday, March 1, 9:00 A.M. to 12 Noon\*\*

Chairman: E. Snow

Introductory Speakers: E. Nicollian and A. Goetzberger;  
P. Gray

Session II - Charge Motion In and On Insulating Films

Wednesday, March 1, 2:00 P.M. to 5:00 P.M.\*\*

Chairman: C. G. Thornton

Introductory Speaker: S. R. Hofstein

Session III - Silicon Nitride and Other Dielectrics

Thursday, March 2, 9:00 A.M. to 12:00 Noon\*\*

Chairman: A. Goetzberger

Introductory Speaker: S. M. Sze

Session IV - Radiation Effects

Thursday, March 2, 2:00 P.M. to 5:00 P.M.

Chairman: S. R. Hofstein

Introductory Speaker: J. P. Mitchell

Session V - Miscellaneous Session

Friday, March 3, 9:00 A.M. to 12:00 Noon\*\*

Chairman: G. Schnable

\* All technical sessions will be held in the Crown Room.

\*\* Coffee breaks scheduled for 10:00 A.M. and 3:00 P.M.

A cocktail hour for SISC attendees has been arranged for Wednesday night at 5:30 P.M. in the International West Room (2nd floor, over Casino). The SISC Banquet-Dinner-Show will follow at 7:00 P.M. in the Cafe Continental Showroom. Be sure to bring your banquet tickets.

ATTENDANCE LIST

1967 SILICON INTERFACE SPECIALIST CONFERENCE

(Registered as of February 15, 1967)

Gerald Abowitz	Philips Laboratories Briarcliff Manor, N.Y.
Dr. Walter A. Albers, Jr.	General Motors Research Labs 12 Mile & Mound Roads Warren, Michigan 48090
Dr. E. Arnold	Philips Laboratories 345 Scarborough Road Briarcliff Manor, N.Y.
Arpad A. Bergh	Bell Labs Murray Hill, New Jersey
Robert Broze	Friden Research 30 Hegenberger Road
Thomas M. Buck	Bell Telephone Labs Murray Hill, N. J.
Ron R. Burgess	Motorola, Inc. Semiconductor Products Division 5005 E. McDowell Road Phoenix, Arizona 85008
Lowell E. Clark	Motorola Semiconductor Products Div. 5005 East McDowell Road Phoenix, Arizona 85008
N. S. Clayton	Canadian Westinghouse W. Ltd. PB. 510 Wt-20 ReD. Hamilton, Ontario
Frank Cocca	NASA/ERC 575 Technology Square Cambridge, Mass.
Richard Cornelissen	Air Force Cambridge Research Labs. Hanscom Field Bedford, Mass.
A. Michael Cowley	-hp associates- 620 Page Mill Road Palo Alto, California 94304

Attendance List

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J. Ronald Cricchi	Westinghouse Electric Corp. P.O. Box 746 Baltimore, Md. 21203
Brian Dale	Sylvania Electric Products 100 Sylvan Road Woburn, Mass.
B. E. Deal	Fairchild Semiconductor Research & Development Laboratory 4001 Junipero Serra Blvd. Palo Alto, California 94304
Russell Dolan	Air Force Cambridge Research Labs. Hanscom Field Bedford, Mass.
R. P. Donovan	Research Triangle Institute P.O. Box 12194 Research Triangle Park, N.C. 27709
V. Y. Doo	IBM, Component Laboratory Hopewell Junction, N. Y.
Dr. Jerome M. Eldrige	I.B.M. Yorktown Hts. New York
J. A. Fisher	Motorola Semiconductor Products Div. 5005 E. McDowell Road Phoenix, Arizona 85008
D. J. Fitzgerald	Fairchild Semiconductor Research & Development Laboratory 4001 Junipero Serra Blvd. Palo Alto, California 94304
Michael J. Fox	Elliott-Automation Microelectronics Ltd. Queensway Industrial Estate Glenrothes, Fife, Scotland
A. Goetzberger	Bell Tel. Labs. Murray Hill, New Jersey
Peter V. Gray	General Electric Research Lab. P. O. Box 8 Schenectady, New York 12301

Attendance List

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Jean Grosvalet	Compagnie Generale De Telegraphie Sans Fil - Centre de Recherches Physicochimiques 12, rue de la Republique 92 Puteaux, France
A. S. Grove	Fairchild Semiconductor Research & Development Laboratory 4001 Junipero Serra Blvd. Palo Alto, Calif. 94304
Steven Hofstein	RCA Laboratories Princeton, New Jersey
Harold L. Hughes	Naval Research Laboratory Code 5216H Washington, D. C. 20390
Ki Dong Kang	Motorola, Inc. Semiconductor Products Division 5005 E. McDowell Road, Phoenix, Arizona 85008
Donald R. Kerr	IBM Corp. E. Fishkill, New York Bldg. 300-100
Thomas Klein	Fairchild Semiconductor, R&D 4001 Junipero Serra Blvd. Palo Alto, California 94304
Alan B. Kuper	Case Institute of Technology Engineering Cleveland 6, Ohio
Kurt Lehovec	Sprague Electric Company North Adams, Massachusetts
I. A. Lesk	Motorola Semiconductor Products Div 5005 East McDowell Road Phoenix, Arizona 85998
Richard Lucas	Hewlett Packard 1501 Page Mill Road Palo Alto, Calif.
Marvin Miller	Sylvania Electric Products, Inc. 100 Sylvan Road, Woburn, Mass.
J. P. Mitchell	Bell Telephone Labs, Inc. Whippany Road Whippany, New Jersey

Attendance List

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J. P. Mize	Texas Instruments, Inc. 13, 500 North Central Expressway Dallas, Texas
Edward H. Nicollian	Bell Telephone Laboratories Murray Hill, New Jersey
Harold E. Nigh	Bell Telephone Laboratories 555 Union Blvd. Allentown, Pa. 18103
Dr. Pfister	CEN-G Section de Physique du Solide BP 269 Grenoble, France
Horst Preier	Sprague Electric Company North Adams, Massachusetts
Paul Rappaport	RCA Laboratories Princeton, New Jersey
Art Sanera	Motorola Semiconductor Products Div. 5005 East McDowell Road Phoenix Arizona 85008
Paul F. Schmidt	Bell Telephone Labs, Inc. 555 Union Blvd. Allentown, Pa.
Joseph H. Scott	RCA Princeton, New Jersey
Dr. J. Leland Seely	General Instrument Corp. 19 East Oakland Ave. Salt Lake City, Utah
Dr. Frank A. Sewell	Sperry Rand Research Center North Road Sudbury, Mass. 01776
Dr. J. J. Simonne	Electronics Research Center/NASA (Code CQ) 575 Technology Square Cambridge, Mass. 02139
E. H. Snow	Fairchild Semiconductor Research & Development Laboratory 4001 Junipero Serra Blvd. Palo Alto, Calif. 94304
Dr. Alan G. Stanley	MIT Lincoln Laboratory Post Office Box 73 Lexington 73, Mass. 02173

Attendance List

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David R. Stiefbold	McMullen Associates 3400 El Camino Real Santa Clara, Calif.
S. M. Sze	Bell Labs Mountain Avenue Murray Hill, New Jersey 07971
John R. Szedon	Westinghouse Research Laboratories Beulah Road Pittsburgh, Pa. 15235
George L. Schnable E. S. Schlegel C. G. Thornton	Philco Corporation Microelectronics Division Union Meeting Road Blue Bell, Pa. 19422
J. E. Thomas, Jr.	General Instrument Corp. 65 Gouverneur Street Newark, New Jersey 07104
George Warfield	Princeton University Engineering Quad. Princeton, New Jersey
Dr. H. A. Richard Wegener	Sperry Rand Research Center North Road, Sudbury, Mass. 01776
R. Whittier	Fairchild Semiconductor Research & Development Lab. 4001 Junipero Serra Blvd. Palo Alto, California
Michael Yamim	Bell Labs Murray Hill, New Jersey 07971
Karl H. Zaininger	RCA Laboratories Princeton, New Jersey
Walter Ziffer	Texas Instruments, Inc. 13500 N. Central Expressway Dallas, Texas

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Supplementary Attendance List

Kenneth G. Aubuchon  
Hughes Electronics  
Newport Beach, California

G. Breitweiser  
McDonnell Company  
St. Louis, Missouri

W. Carr  
Texas Instruments  
Dallas, Texas

T. P. Cauge  
ITT Semiconductor Products  
Palo Alto, California

R. Edwards  
Bell Laboratories  
Murray Hill, New Jersey

W. M. Ford  
ITT Semiconductor Products  
Palo Alto, California

E. A. Goldman  
General Tel & Electronics Lab  
Bayside, New York

D. Kahng  
Bell Laboratories  
Murray Hill, New Jersey

Martin M. Lepselter  
Bell Laboratories  
Murray Hill, New Jersey

Murray A. Lampert  
Princeton University  
RCA Laboratories  
Princeton, New Jersey

W. Patterson  
Litton Industries

V. G. K. Reddi  
Fairchild Semiconductor  
Palo Alto, California

R. Schmidt  
Bell Laboratories  
Murray Hill, New Jersey

Michael J. Selser  
Philco-Ford  
Lansdale, Pennsylvania

A. C. Tickle  
University of Saskatchewan  
Saskatoon, Canada

R. G. Wagner  
McDonnell Co.  
St. Louis, Missouri

A. Waxman  
RCA Laboratories  
Princeton, New Jersey

Karl K. Yu  
Westinghouse Electric Corp.  
Elkridge, Maryland



# 1967 Silicon Interface Specialists Conference

## Conference Information

### Technical Sessions

All technical sessions will be held at the Stardust Hotel Convention Center, Las Vegas, Nevada, March 1-3, 1967.

Because this is to be a workshop conference all attendees are expected to participate in the discussions. To facilitate these discussions it is requested that everyone bring with him as many visual aids as possible. Vue-graph transparencies are preferred, although a 3-1/4 x 4 slide projector will be available.

### Registration

All Conference attendees are expected to pre-register. Please complete the enclosed registration form and send it, together with your registration fee of \$16, directly to

Dr. S. R. Hofstein  
RCA Laboratories  
Princeton, New Jersey 08540

before February 15. An additional fee of \$5 will be charged for registration after this date.

Please make all checks payable to IEEE-SISC.

Conference badges and programs will be distributed at the Conference.

### Accommodations

A block of rooms has been reserved adjacent to the Conference Center in the Stardust Hotel for SISC attendees. The enclosed room reservation card should be returned directly to the Stardust Hotel as soon as possible.

A conference banquet, preceded by a cocktail hour, has been arranged for Wednesday evening, March 1. This banquet is included in the registration fee.