

The IEEE Semiconductor Interface Specialists Conference The First 25 Years – A Brief History

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The first Interface Specialists Conference was announced in the August 1965 issue of the IEEE Transactions of Electron Devices. The announcement declared that a “Silicon Interface Specialists Conference” was going to be held and that it is an invitational meeting intended for scientists and engineers active in the field of silicon interface studies who have made recent significant progress in their own research and wish to report their findings. The announcement clearly stated that all attendees should be prepared to enter actively in the discussion. The meeting was to be held without specifying its location (which turned out to be Las Vegas) sometime early in November. The list of invitees was selected from those who presented recent papers in the Solid State Device Research Conference, or actively participated in the related topic discussions which were held at that time, and to others. Every attempt was made to include all active workers in the field, but you could also request to be invited by S. Hofstein, the Invitations Chairman. The hot topic of the day was sodium.

The 1967 Interface Specialists Conference was also an invitational meeting announced in the November 1966 issue of the IEEE Transactions on Electron Devices. This time the date of the conference was specified, March 1–3, 1967, but its location was not disclosed. The Invitations Chairman was A. Goetzberger. The conference was held in Las Vegas.

In 1967, the conference title was changed to “The Semiconductor Interface Specialists Conference.” Its announcement appeared in the November issue of the IEEE Transactions on Electron Devices, and was to be held March 4–6, 1968. Although the conference title was broadened from Silicon to Semiconductor, it was clearly stated that the major emphasis would still be on silicon-interface phenomena. The Conference location was not announced, and it was held in Las Vegas. Invitations could be obtained from S. Hofstein, the Invitations Chairman. It was felt that the major problem of the day, namely sodium, was overcome, and the conference was on hiatus for five years.

When it later was discovered that silicon-interface phenomena were not just sodium, the conference was revived Marty Lepselter and co-workers. SISC was held in Puerto Rico in 1973, 1974, and 1975. It then moved to the mainland in 1976 and remained mainly on the east coast. Starting from 1982, the conference started alternating between the east and west coasts being held either just after or just before IEDM. An anecdotal history of SISC will be shared at the banquet.

SISC	Date	City	Technical Program Chair
1st	Nov 15–16, 1965	Las Vegas	J. T. Nelson (TPC) S. Hofstein (Inv. Ch.)
2nd	Mar 1–3, 1967	Las Vegas	G. Warfield (TPC) A. Goetzberger (Inv. Ch.)
3rd	Mar 4–6, 1968	Las Vegas	G. Warfield (TPC) S. Hofstein (Inv. Ch.)
4th	Dec 3–5, 1973	San Juan, PR	K. Zaininger (TPC)
5th	Dec 5–7, 1974	San Juan, PR	M. Lepselter (TPC)
6th	Dec 4–6, 1975	San Juan, PR	D. Kahng (TPC)
7th	Dec 3–5, 1976	New Orleans	F. Micheletti (TPC)
8th	Dec 1–3, 1977	Miami Beach	V. L. Rideout (TPC)
9th	Nov 30–Dec 2, 1978	Miami	A. Tasch (TPC)
10th	Nov 29–Dec 1, 1979	New Orleans	D. Bartelink (TPC)
11th	Dec 4–6, 1980	Fort Lauderdale	J. Maserjian (TPC)
12th	Dec 3–5, 1981	New Orleans	J. T. Clemens (TPC)
13th	Dec 9–11, 1982	San Diego	E. H. Nicollian (TPC)
14th	Dec 1–3, 1983	Fort Lauderdale	C. R. Helms (TPC)
15th	Dec 6–8, 1984	San Diego	P. Winokur (TPC)
16th	Dec 6–8, 1985	New Orleans	P. Dressendorfer (TPC)
17th	Dec 11–13, 1986	San Diego	D. McGrath (TPC)
18th	Dec 3–5, 1987	New Orleans	T. P. Ma (TPC)
19th	Dec 8–10, 1988	San Diego	P. Grunthner (TPC)
20th	Dec 7–9, 1989	Fort Lauderdale	Z. Weinberg (TPC)
21st	Dec 6–8, 1990	San Diego	S. Lyon (TPC)
22nd	Dec 12–14, 1991	Orlando	A. Edwards (TPC)
23rd	Dec 10–12, 1992	San Diego	L. Manchanda (TPC)
24th	Dec 9–11, 1993	Fort Lauderdale	H. Z. Massoud (TPC)
25th	Dec 8–10, 1994	San Diego	W. L. Warren (TPC)