

Dr. Tetsu Sekine from My Negative Files

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Dr. Tetsu Sekine has made a base of our Surface Analysis Society of Japan and motivated it to higher levels. His activities are presented in some photographs which are

from my private negatives.

Dr. Sekine was and will be of a great existence in our Surface Analysis Society of Japan, who has confirmed the



Photo 1 Informal night session "The death match"(debate), at NKK (Kinomiya, Atami, July 7-8, 1989).

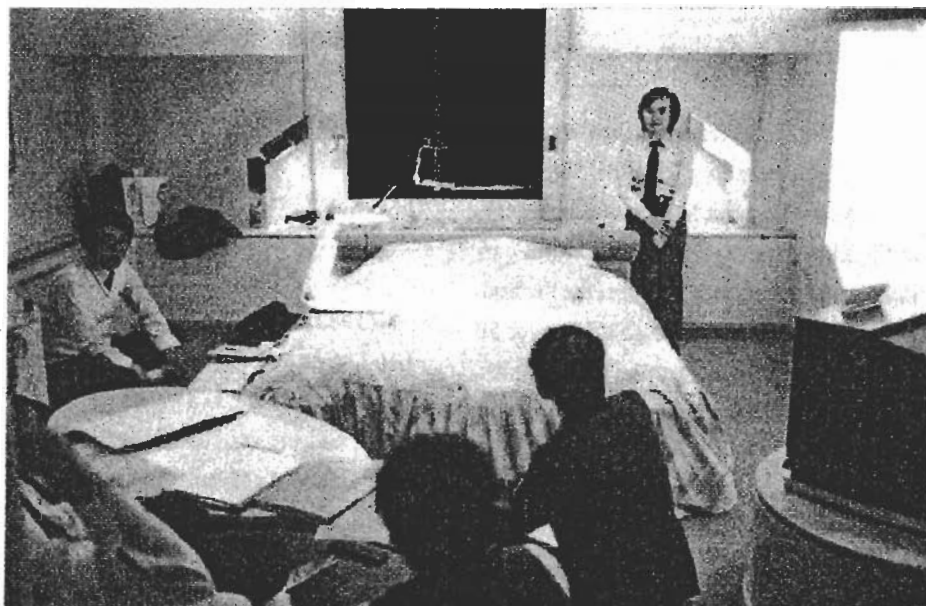


Photo 2 Night session at Hotel Holiday (Tottori, November 6-7, 1990).

character of our group. We will always remember his personality and works. He studied many fields in Surface Analysis, and particularly in Auger electron spectroscopy (AES). I have owed a large part of my AES of absolute measurements to his doctor thesis "Study on the practical Auger electron spectroscopy for the surface analysis" (in Japanese); Osaka University (1989). I consulted his thesis many times for the detailed calculation of the electron trajectories in CMA (cylindrical mirror analyzer) which appeared in his thesis. Consequently, I can really convince the "calculable" characteristics of the CMA and then after I have been continuing the absolute AES by using and im-

proving the CMA. It is now at the final stage of the work function correction. Though he did not prefer CMA and recommended CHA (concentric hemispherical analyzer) for the standard AES. I've never heard his true thought of fatigue about CMA vs. CHA. I guess that this might be the complicated trade things in the company, because he was comprehensive enough not to understand the true feature.

My memory of Dr. Sekine is presented in the following photos from my negative files since 1988.

Photo 1, our meeting at NKK(Kinomiya, Atami, July 7-8, 1989), is the most historical event in our society, which

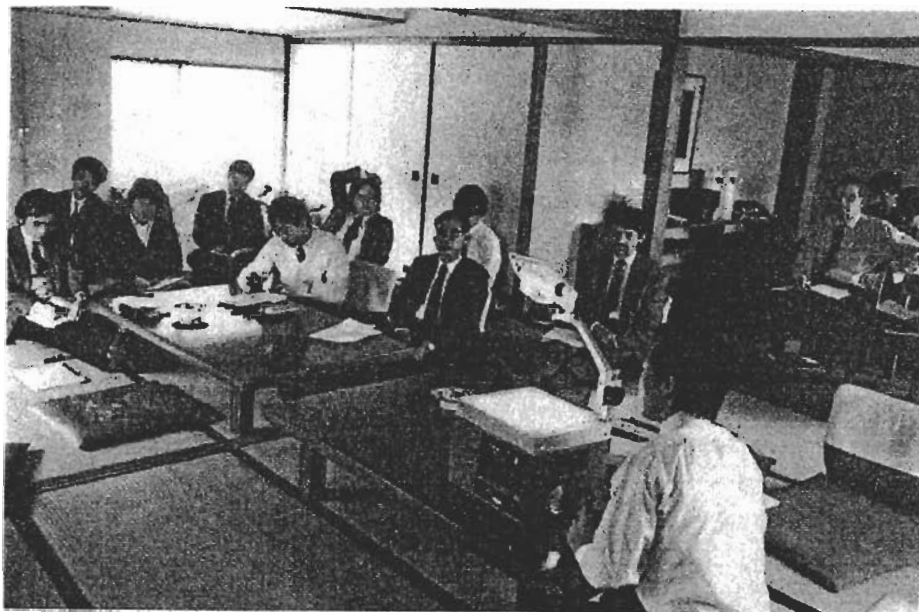


Photo 3 Normal session at Sengoku-Ryo (Hakone, December 18-19, 1991).

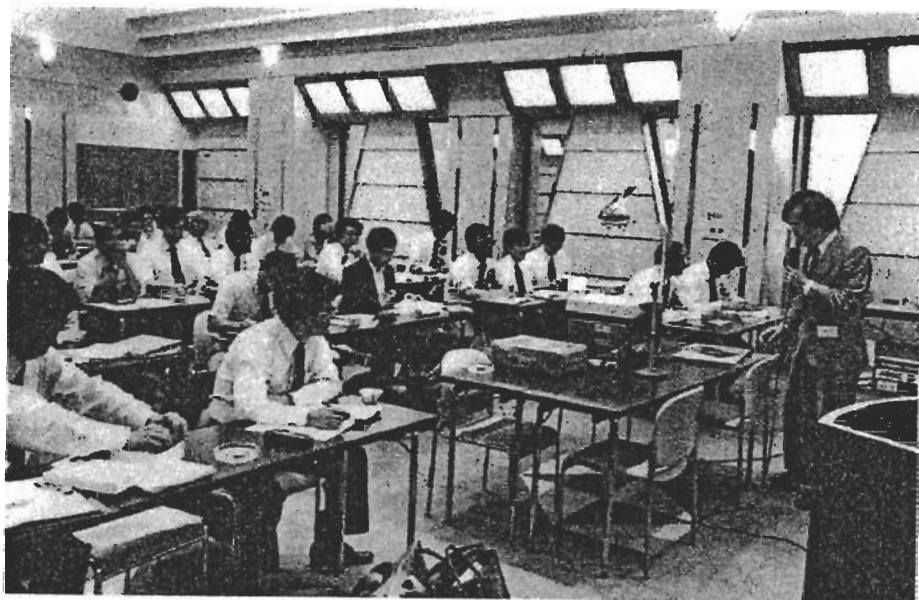


Photo 4 Normal session at Kokuminshukusha (Kanzanji, Hamamatsu, September 24-25, 1992).

we call "The Death Match!" of Sekine (JEOL), 5-th from left in the last line, and Hiroaki Tanaka (ULVAC-PHI), 2-nd from left in the line, *i.e.*, a debate in a mild sense. This informal night session always started after the closing of the normal session at around 22:00PM or later with enough alcohol. The initiation of this session was the discussion about the results of the round robin experiments for Cu-Au alloys that we had first performed for one of the VAMAS-SCA projects. The results showed a clear difference between those of obtained by the machines *i.e.*, companies, being used. They debated till early in the morning and sometimes all-night. Other member went to bed twos

and threes, but the 2-person remained and continued the debate. The debate would occur whenever the 2-person met together. This debate really motivated our knowledge and technique in the surface analysis and thus led to a higher level of surface analysis. I consider this *milestone* as a treasure of our society. We appreciated, after the frequent sessions, an importance of the "Standards", such as ISO *et. al.*, and decided to make a standard analyzer.

Photo 2, the meeting at Hotel Holiday (Tottori, November 6-7, 1990), was one of the fantastic scene in a fanciful situation. Sekine (right) was performing a presentation by setting an OHP on the bed and the bed sheets



Photo 5 PSA'95 poster session for "Powell Prize" at Kampo-Center (Toba, May 18-19, 1995).



Photo 6 ISO meeting at Pacifico Yokohama (Yokohama, September 23, 1995).

became a screen. But we were very serious. Professor S. Hofmann also participated in the meeting (not here).

Photo 3, at Sengoku-ryo of Shin-Nittetsu (Hakone, December 18-19, 1991), was the meeting after International Symposium at Pastoral in Tokyo (ISPRAM). All persons were sitting on the *tatami* (straw mat), with inconvenience for foreigners; Dr. Cedric Powell(right) on the chair, Dr. Martin Seah (center-right) stretching legs, and Sekine (far left) making a description.

Photo 4, at Kokuminshukusha (Kanzanji, Hamamatsu, September 24-25, 1992), was a snap of the meeting. Dr.

Jablonsky was 3-rd from right and Sekine was giving a lecture.

Photo 5, at Toba Kanpo-center (Toba, May 18-19, 1995), was one snap of the poster session at PSA'95 for the "Powell Prize" with Dr. Powell in the blurred image behind. Sekine visited our poster and was discussing with Dr. Valentina Gaidarova.

Photo 6, at Pacifico Yokohama (September, 1995), shows one session of ISO working group of SC 5&7. Sekine explained his draft of the *relative sensitivity factor*.

Photo 7, at Miyaken (the speciality of local chicken



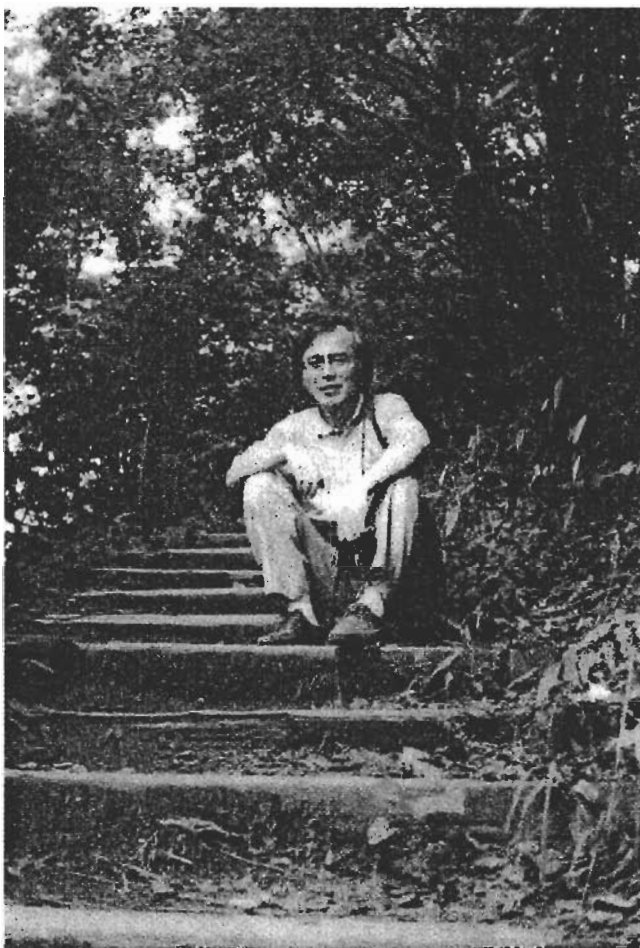
Photo 7 At the Nagoya -Kochin speciality of Miyaken (Nagoya, February 7, 1996).



Photo 8 Night session at Fujimi-Heights (Izu, January 30-31, 1997).

'Nagoya-Kochin', Nagoya, February 7, 1996), was taken on the day before the International Symposium at Lubra-Ozan (Nagoya). Dr. John Grant, Dr. Martin Seah, Frau Uta and Herr Professor Siegfried Hofmann, Dr. Vincent Crist (Japanese at that time?), and Dr. Tetsu Sekine were enjoying the *speciality*.

Photo 8, at Fujimi-Heights (Izu, January 30-31, 1997), shows the night session. Sekine, with Dr. Yoshihara and Dr. Crist, was quite a brilliant scientist. Sekine is truly brilliant in our mind forever.



Dr. Tetsu Sekine (by courtesy of Mrs. Sekine).