

Heat Transfer in Japan

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I would like to congratulate the members of the Heat Transfer Society of Japan on their 30th Anniversary.

I have had many interactions with heat transfer researchers and practitioners from Japan. My first visit to Japan was in 1967 for the Japan Semi-International Conference on Heat Transfer. At that time I visited a number of Universities including the University of Tokyo, Kyoto University, Fukuoka University, and Hokkaido University. It was an opportunity to see the excellent facilities that were being operated and to meet senior and young researchers, including Professor Masaru Hirata of the University of Tokyo, and Professor Kenjiro Suzuki of the University of Kyoto who have been close friends over the years.

Since that time I have returned to Japan on many occasions. These include the 5th international Heat Transfer Conference in 1974, when my first climb of Mt. Fuji was frustrated by the need to return to a Conference banquet. In 1980 I participated in the Japan/US joint Heat Transfer Seminar in Tokyo and in 1987 the 2nd International Symposium on Transport Phenomena in Turbulent Flow. In 1989 I had the honor of receiving a grant from the Japan Society for the Promotion of Science to work in Japan for three months. I was centered at the University of Tokyo through the courtesy of Dr. Hirata and Dr. Kasagi, and I was able to visit many industrial and university laboratories. At this time I also met some of my close colleagues who were formally students and researchers at the University of Minnesota. During that stay I learned much about Japanese education from kindergarten up. I was also able finally to "conquer" Mt. Fuji accompanied by my son Benjamin and Dr. Tokuda.

Over these many years I have been impressed with Japan's advances in science and technology and the high quality of students, faculty, and researchers. Japan has progressed greatly in a number of areas of technology including the coming of age of outstanding researchers. Generations of outstanding leaders are taking their place in the world community of Heat Transfer. I look forward to many more years of pleasant and fruitful cooperation with my Japanese colleagues.

My students from Japan who received degrees at Minnesota have always been very close to me. These include; Sadasuke Ito, Kanichi Kadotani, Toyooki Yoshida, and the late Tetsuro Aiba, Other close contacts are with those who spent a year or more working in our laboratories: Toshie Abe, Yutaka Asako, Masaru Hirata, Ryoji Ishiguro, Kazuhiko Kudo, Hisashi Kuriyama, Takashi Masuoka, Masahide Miyamoto, Hiroaki Nouse, Takehito Saito, Shinobu Tokuda, Kahoru Torii, Akina Tsuchida and Shinichiro Yamazaki. These researchers and colleagues worked with me at Minnesota and are my most important contacts with Japan. They have probably taught me far more than I ever could teach them.

Of course there are so many others with whom I have close ties. These include Professors Katto, Kasagi, Hirata and Nakajima and the late Professor Nishiwaki from Tokyo University; Professors Fujii, Fujita, and Nishikawa from Kyushu University; Professors Echigo, Hijikata, Mori, and Nakayama from Tokyo Institute of Technology, and Professors Ogino and Suzuki from Kyoto University. To these and other colleagues, to whom I apologize for not including them herein, (truly a sin of accidental omission not commission) I give my thanks and great appreciation for your fine progress in the Heat Transfer area and for helping me learn more about heat transfer and Japan.

To all in the Japan Heat Transfer community, I salute you and wish you continued great success.

社団法人
日本機械学会

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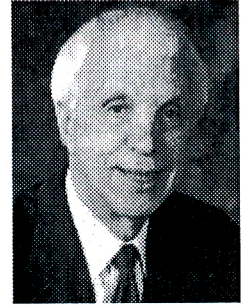
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功績賞（国際功績賞）

Richard J. Goldstein 氏

Thermal Engineering Award for
International Activity

Dr. Richard J. Goldstein



授賞理由：熱工学、伝熱工学に関する学術的貢献、ならびに我が国の熱工学研究者に対する学問的、社会的貢献。

Richard J. Goldstein 氏はレーザドップラー計測法のパイオニアであり、その技術を実用化して血液流、乱流、回転機械内流れの計測など生物レベルからロケットスケールまでの幅広い問題に適用する一方、密閉空間内の熱対流を始めとした広範囲の熱工学、伝熱学的問題を研究して優れた業績を挙げた。また International Center of Heat and Mass Transfer の President、各種国際学術誌のエディターとして世界的に熱工学の発展に寄与すると共に、数回に渡り我が国を訪問して学術の交流に努め、また数多くの日本人研究者を受け入れるなど、国際学術活動を通して我が国の熱工学の向上に大きく貢献した。

経歴：born on 27 March 1928. B. M. E. Cornell University (1948), M. M. E. University of Minnesota (1950), M. Physics University of Minnesota (1951), Ph. D. University of Minnesota (1959). Assistant Professor Brown University (1959), Associate Professor University of Minnesota (1961), Professor University of Minnesota (1969), Regents' and James J. Ryan Professor, National Academy of Engineering, President of International Center of Heat and Mass Transfer, Fellow ASME, President of ASME (1996-1997)

HONOURS: U. S. National Academy of Engineering

PRIZES: the Heat Transfer Memorial Award, the ASME Centennial Medallion, the 50th Anniversary award of the ASME Heat Transfer Division

EDITOR: Experiments in Fluids Journal, Heat Transfer - Japanese Research, Heat Transfer - Soviet Research, International Journal of Heat and Mass Transfer, and International Communications in Heat and Mass Transfer.

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国際功績賞

R. J. Goldstein (ミネソタ大学・教授)

熱工学, 伝熱工学に関する学術的貢献, ならびに我国の熱工学研究者に対する学問的, 社会的貢献.

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Prof. Richard J. Goldstein
The 1997 Thermal Engineering Award for International Activity. JSME
August 25, 1998, at Kyougju Hilton Hotel, Korea