

— Professor T. Nejat Veziroglu からの祝文 —



**international association for hydrogen energy**

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18 December 1993

Dr. Shoichi Furuhamu  
President  
Hydrogen Energy Systems Society of Japan  
Tokyo, Japan

Re: 20th Anniversary of HESS.

Dear Dr. Furuhamu:

I am very happy to be writing this letter of commemoration on the 20th Anniversary of the Hydrogen Energy Systems Society (HESS) of Japan, which I believe was the first national organization to be established anywhere in the world to bring hydrogen energy scientists together - especially since I have had close relationship with HESS from the beginning.

The founding President of HESS, Dr. Tokio Ohta (now President of the Yokohama National University) and I have jointly organized a Seminar on Key Technologies for Hydrogen Energy System in Tokyo in the summer of 1975, which was really a joint activity between HESS and IAHE (The International Association for Hydrogen Energy). I remember this first joint conference vividly. After I gave the Opening Lecture, we had a coffee break. A Japanese Professor approached me and he said, and I quote, "Dr. Veziroglu, we Japanese used to import watches from Switzerland, now we export watches to Switzerland; we used to import cameras from Germany, now we export cameras to Germany; we used to import cars from the United States, now we export cars to the United States; we now import energy in the form of petroleum from overseas, in the future we shall export energy overseas, and it will be in the form of hydrogen, hydrogen manufactured using solar energy."

Since then, the hydrogen energy research and development activities of Japan have increased by many folds year by year. Japan started paying attention to hydrogen as a clean and abundant energy carrier, and included it as the

... abundant clean energy for mankind



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focal point of the Sunshine Project, funded by the Japanese Government for several years. Now, the second Sunshine Project also has hydrogen energy as its focal point with MITI making available the largest R&D funds anywhere in the world for hydrogen research and development, viz., \$3 billion for the next 28 years.

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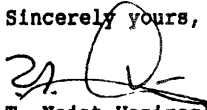
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In this remarkable growth of hydrogen energy research and development work in Japan, HESS has played a leading role. HESS organized annually national conferences on hydrogen energy. HESS and/or members of HESS provided the Japanese Government with information and reports for their future energy planning.

Because of the foregoing, I can say without hesitation that HESS has been successful in its mission, and I would like to congratulate the Hydrogen Energy Systems Society of Japan, its founding President, Dr. Tokio Ohta, its second and the present President, Dr. Shoichi Furuhashi and all the members of HESS on this 20th Anniversary of HESS and for achieving and being part of this remarkable growth in hydrogen energy research and development in Japan. I am sure HESS's work and success will encourage the hydrogen energy organizations throughout the world in our mutual goal of providing a clean and permanent energy system for our Planet Earth, the only one known to be hospitable to life.

Sincerely yours,



T. Nejat Veziroglu  
*President*

TNV:ehm

— Professor Dr. — Ing. Carl — Jochen Winter からの祝文 —

Prof. Dr.-Ing. Carl-Jochen Winter

Dr. Shoichi Furuhamu  
Hydrogen Energy Society of Japan  
Musashi Institute of Technology  
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Stuttgart, January 10, 1994

Dear Dr. Furuhamu,

The Japanese Hydrogen Energy Society celebrates its 20th anniversary. It is a great pleasure for me to congratulate you, as the Society's President, most heartily on this occasion.

As during the past 20 years, the next 20 years will, I am certain, bring you much success. We, the German hydrogen community, have almost come to expect a unique drive each year in an ever more improved Musashi hydrogen-fueled car (in the meantime I have heard there is a # 9!), to operate an advanced Fuji fuel cell, or to see hydrogen being stored in an innovative hydride. I can only hope that plans for the WE-NET will mature further, for my sake, and of course for yours.

In gratitude for common work and friendship,  
yours most sincerely,



Carl-Jochen Winter

P.S. As a member of the Science Program Committee of the 11th World Hydrogen Energy conference to be held in 1996 in Stuttgart, Germany, you are, I hope, aware of how honored I and many others in Germany would be to welcome in Stuttgart as many of our Japanese hydrogen colleagues as possible with their current and consistently outstanding results and findings.

— Professor Kil Hwan Kim からの祝文 —

Professor Shoichi Furuhamu  
President, HESS February 6, 1994  
Musashi Institute of Technology  
1-28-1 Tamazutsumi, Setagaya-ku  
Tokyo 158, Japan

Dear President Furuhamu

It is very kind of you to have given me an opportunity to write for your journal. It is my honour and a great pleasure to express my hearty congratulations on the occasion of the 20. anniversary of the Hydrogen Energy Systems Society of Japan (HESS), on behalf of all members of the Korean Hydrogen Energy Society.

We are aware of the fact that it was established, as Professor Tokio Ohta, Ex-President and Founder of HESS recalls, at the most eventful time, amid the unprecedented energy crisis, embodied in the oil shock in 1973. Under these difficult circumstances, we presume, it would have been almost impossible to make a start such organization as HESS which is rather future-oriented, than an immediate succour capable of coping with the pressing necessities, but for the strenuous effort, sincere devotion and cooperation of those resolute pioneers consisting of a small number of elite scientists and experts who have firm faith and far-seeing intelligence. Their brilliant

services and achievements are really worthy of high respect and admiration.

As a fuel hydrogen has every strong point of oil and natural gas, being yet in addition free from the shortcomings of the latter. These facts have, in looking for the most desirable energy in future, led us to place our hope on hydrogen. As a matter of fact, it is plentiful on the earth in the form of water, which is practically inexhaustible. We can therefore get hydrogen infinitely from water by using primary energies occurring in nature. They are in general classified into three groups: fossil fuels, nuclear fuels and solar energy. The former two are finite in reserves on the earth and extremely hostile to the environment, whereas the third is essentially inexhaustible and compatible with the environment. Therefore, hydrogen made from water utilizing solar energy is the only clean and ecological energy medium which ensure and sustain healthy life on this planet far into the future. Thus, the Solar Hydrogen Energy System is, we are convinced, the ideal energy system which would eventually bring about healthy, stable life for our mankind in future.

In view of the depleting fossil energy resources including oil in particular on the earth and deteriorating environment on global scale with which we are now faced, a drastic innovation or shift of our present energy system, that is

to say, a transition from the dependence on the finite and polluting resources to that on the infinite and pollution-free ones would be inevitable and absolutely necessary. It is true that we need still time and have many difficulties ahead to overcome until we eventually succeed in this grand, historical transition, but we have already made thusfar at least the right choice.

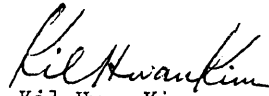
Considering that both solar energy and water are available everywhere we live on the earth, unlike the uneven distribution of the finite energies on which the present energy system depends, we need not therefore contend for the acquisition or the domination of these infinite resources at all. Instead, we need world-wide cooperation and concentration of our ability and effort in peace to attain our goal.

We know your society has, ever since the foundation, contributed a great deal, together with the International Association for Hydrogen Energy (IAHE) in particular, to promote the systematic, organized research activities on hydrogen home and abroad on the one hand, and on the other to popularize the idea and importance of hydrogen energy as a whole. We feel really happy and proud to share the common cause with you.

The 3rd Joint Symposium on Hydrogen Energy between HESS and KHES is forthcoming in 1995, as we have already agreed on. It will be held this time in Korea. As the host

we will gladly do our best to proceed the meeting in the  
most friendly atmosphere

Sincerely yours



Kil Hwan Kim

President

Korean Hydrogen Energy Society