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PRESIDENT'S MESSAGE

On behalf of the International Commission for Optics (ICO) I should like to welcome you to ICO-17: Optics for Science and New Technology.

We are pleased that ICO-17 is being hosted by Korea, after venues in Canada, Germany, and Hungary, to mention only the previous three ICO Conferences. This Conference and General Assembly is held every three years and is undoubtedly the highlight among all ICO events.

A total of 616 papers (32 of them invited) will be presented. This makes this Congress one of the most tightly packed of the last years. The Authors come from 32 different territories, thus endowing this Conference with a truly international character.

Among the invited papers there will be at least four by the ICO Prize and Galileo Galilei Medal winners of the last three years. ICO-Prize is a well established award for researchers under 40 who have made an outstanding contribution to Optics. The Galileo Galilei Medal was first awarded in 1994, and is intended for scientists who have contributed to Optics in difficult conditions. The Prizes and Galileo Medals for 1994, 1995 and 1996 will be presented at the Opening Ceremony.

At ICO-17 the General Assembly of the International Commission for Optics, that is the triennial business meeting, will also take place, where all important decisions will be taken and a new Bureau elected, for the running of ICO affairs during the next three years. Date and location of ICO-18 will also be decided. In addition to delegates from member territories, observers are also welcome both from member territories and, especially, from those countries which do not yet belong to ICO and are interested in knowing our activity. At present the number of territory members is 43, one of which being an associate.

At ICO-17 you will be able to examine, in addition to its two predecessors, copies of the new ICO-Book: "Trends in Optics; Research Devices and Applications", the third of a series that ICO publishes, every three years. The distinguishing feature of these books is their wide range of short, readable and partly speculative articles, with the purpose of promoting knowledge of recent developments in the field of optics. All royalties are given to ICO, to help ICO activities, especially those in favour of optics in developing countries.

The International Commission for Optics is very grateful to all the Sponsors, Organizations and dedicated individuals, who have contributed to the complex organization of such an important international event. I should like to thank particularly professor Sang Soo Lee, my co-chair of the Organizing Committee, who was chiefly responsible for the organization of the Conference, and the ICO Territorial Committee of Korea.

ICO is an essential forum, both for the promotion of optics, and for mutual understanding between scientists from all over the world. In this spirit I hope that all attendees will enjoy exchange of scientific information and have the pleasure of seeing old friends and making new ones. I also hope that this encounter with an ancient civilization and tradition will be enriching especially for those of us coming from very different cultural backgrounds.

Anna Consortini
President 1993-1996
ICO

ICO-XVII
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PREFACE

Distinguished scientists, dear colleagues and friends,

It gives me a great pleasure to give all participants in ICO XVII Taejon, Korea my very sincere greeting. It is a very important occasion to all of us to hear of many achievements made in the last few years in optical science and engineering and to exchange opinions and appraise their accomplishments in research and development. The participants have come from nearly 40 countries all over the world and about six hundred papers are presented. This is the greatest occasion to Korean optical community as it is the largest event she has ever had in this country.

Optics today is diversified fast to nearly all fields of science, technology and medicine. Fundamental aspects in optics do also grow fast, and in the coming 21st century we should be living with optics. At the same time, we have a number of great challenges for the bright optical world in the coming century. I am sure those challenges can be overcome by our devotion and concentration and the future world will become much brighter.

This year, ICO inaugurates the Galileo Galilei Award to be given to the optical scientist/engineer working in the adverse environment in the developing world. The Award is realized by the effort of our President A. Consortini supported by the Italian Society for Optics and Photonics(SIOF). This award is to encourage further development of optics in the developing countries and has an important significance to the global optics community.

Dear colleagues, Korea is a small and lamentably divided country. The people are traditionally kind and friendly. Koreans enjoy steady 5000 years of history, and I strongly suggest our colleagues to take a look at some of our old tradition and culture while you stay in Korea with us.

Before closing, I want to thank all of you once again for your participating in the ICO XVII, Taejon, Korea and hope you feel at home definitely. Any shortcoming may be cleared up immediately to make your stay in Korea most comfortable and fruitful.

Best wishes,

Sang Soo Lee
Co-chair ICO XVII, Taejon, Korea