

International congress on ultrasonics (ICU-90)

December 12-14, 1990, New Delhi, India

International Congress on Ultrasonics (ICU-90) was organised by National Physical Laboratory at New Delhi on December 12-14, 1990. The congress was sponsored by the Council of Scientific and Industrial Research, Indian Council of Medical Research, Central Scientific Instrument Organisation and Ultrasonic Society of India. This was second international conference being organised by National Physical Laboratory (NPL) in ultrasonics, after the one held in July 1980. The Chairman of the Advisory Board was Prof. Dr. S. K. Joshi, Director of NPL and the Secretary was Deputy Director of NPL, Dr. V. N. Bindal. The Chairman of Organising Committee was Dr. T. K. Saksena, Co-Chairman – Mr. S. C. Gupta and Secretary – Dr. Ashok Kumar. The Convenors of the Publication and Technical Programme Committee, Finance Committee and Reception Committee were Dr. S. K. Jain, Mr. Ved Singh, Dr. J. Singh and Dr. R. P. Tandon, respectively. The Chairman of the Souvenir and Exhibition Committee was Dr. S. P. Signal and Convenior – Dr. J. N. Som.

The ICU-90 was conducted in nine sessions (I. Ultrasound in Medicine (A), II. Underwater Acoustics (B), III. Ultrasonic Studies in Solids (C), IV. Non-Destructive Evaluation (D), V and VI. Ultrasonic Propagation in Liquids (E), VII, VIII and IX Ultrasonic Transducers, Instrumentation and Materials (F)

The congress was inaugurated by Prof. S. Z. Qasim, Vice-Chancellor of the Jamia Millia Islamia, New Delhi. A keynote address entitled "Acoustics-Infrasonics to Ultrasonics" was delivered by Dr. V. K. Aatres, Director of the Naval Physical and Oceanographic Laboratory, Cochin, during the Inaugural Session. The scientific programme included 9 invited contributions (3 was publishes as the abstracts and 1 as invited papers) and 56 research papers. The invited talks were presented by: Prof. V. R. Minicha (Lithotripsy – Issues and Perspective), Prof. Dubrovskii (Delphine acoustics), Prof. Z. Kaczkowski (Ultrasonic studies in metallic glasses), Prof. P. K. Raju (Non-destructive evaluation of the composites using acousto-ultrasonics), Prof. L. M. Lyamshev (Radiation acoustics), Prof. V. P. Bhatnagar (Modern trends in acousto-optics diffraction), Dr. R. S. Khandpur (Challenges in ultrasound hyperthermia). The list of participants contained 171 names from India and abroad.

An exhibition had been organised by the Ultrasonic Society of India, which also brought out the Souvenir containing the programme, abstracts of the accepted papers and lists of participants and exhibitors. The Proceedings of the ICU-90, edited by the Publication Committee with Dr. T. K. Saksena as the Chairman, were given to the 102

participants during registration. These proceedings were dedicated to Dr. V. N. Bindal on his 60th birthday (25.12.1990). The proceedings contained 49 papers (1 invited and 48 contributed) from India (39), Egipt (3), Spain (1), Italy (1), Soviet Union (1), Great Britain (1), and Poland (3). On Ultrasound in Medicine were published 7 papers (35 pages), on Underwater Acoustics – 3 papers (26 pages), on Ultrasonic Studies in Solids – 7 papers (6 contributed and 1 invited, 45 pages), on Non-Destructive Evaluation – 5 papers (29 pp.), on Ultrasonic Propagation in Liquids – 14 papers (86 pp.) and on Ultrasonic Transducers Instrumentation and Materials – 13 papers (79 pp.). The index of the proceedings contained 115 author names. On the list of exhibitors were Accutrol Systems Pvt. Ltd. New Delhi, Blue Star Ltd., New Delhi, Electronics Corporation India Ltd., Hyderabad, L & T – Gould Ltd., Mysore, Mekaster Electronic Service Centre Pvt. Ltd. and Systronics (Agency Division), Ahmebabad. As the co-chairmen of the Round Table Session were invited Dr. V. N. Bindal, Dr. T. K. Saksena, Professors: Dubrovskii, Raju Kaczkowski. As the introduction to the discussion Prof. Dubrovskii has talk on ultrasonic research in Acoustical Institute of the Academy of Sciences of the USSR, prof. Raju spoke on the non-destructive investigation at the Auburn University (USA) and prof. Kaczkowski spoke on the current research status and opportunities in ultrasound in Poland. In the discussion the delegates presented their institutions, organisations and factories.

Zbigniew Kaczkowski

25–29 May 1992

Gdańsk, Poland

5th SPRING SCHOOL ON ACOUSTO-OPTICS AND ITS APPLICATIONS

GDAŃSK, POLAND

A. Śliwiński, P. Kwiec, A. Markiewicz
 Institute of Experimental Physics,
 University of Gdańsk, Wita Stwosza 57
 80-952 Gdańsk, Poland

Application dead line 31.03.92,
 fee US \$ 350 (full accomodation included)