

**INTERNATIONAL CONFERENCE ON
INTERVAL AND COMPUTER-ALGEBRAIC METHODS
IN SCIENCE AND ENGINEERING**

(INTERVAL'94)

MARCH 6-11, 1994 — ST.PETERSBURG, RUSSIA

ORGANIZED BY

- The Editorial Board of the International Journal "Interval Computations"
- St.Petersburg State University
- Institute of New Technologies (Moscow — St.Petersburg)

The following scientists have been invited to be on the

INTERNATIONAL PROGRAM COMMITTEE

Chairmen:

R.B.Kearfott (USA), V.M.Nesterov (Russia),

J.Wolff von Gudenberg (Germany)

G.Alefeld (Germany), B.Dobronets (Russia), J.R.Johnson (USA), E.Hansen (USA), J.B.Keiper (USA), W.Krandick (Austria), U.Kulisch (Germany), R.Lohner (Germany), G.Menshikov (Russia), R.E.Moore (USA), E.Musaev (Russia), M.Nakao (Japan), H.Ratschek (Germany), S.Rump (Germany), S.Shary (Russia), D.Shiriaev (Germany), H.Stetter (Austria), A.Yakovlev (Russia), V.Zyuzin (Russia)

Local organizer: V.M.Nesterov,

Editor-in-Chief of "Interval Computations"

INTERVAL'XX-CONFERENCES

The conferences INTERVAL'XX are significant meetings devoted to various aspects of reliable numerical computations based on the interval approach. (Sometimes the terms validated numerics, localizational computations, or enclosure methods are used). Talks are devoted to development of corresponding mathematical structures, design of computer tools, and applications in a wide range of areas. The first conference was held in September 1992 near from Moscow, with impressive success. Papers were presented by 106 participants from 17 countries throughout the world. It was decided to hold the INTERVAL'XX conferences biannually. The INTERVAL'92 conference emphasized the relation of interval computations to mathematical statistics. (The complete title of the conference was "INTERVAL AND STOCHASTIC METHODS

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IN SCIENCE AND ENGINEERING"). The INTERVAL'94 conference will emphasize interdisciplinary research with computer algebra, although "purely interval" papers certainly will not be excluded.

TOPICS

The following topics will be considered: interval mathematics, hardware and software for interval and computer-algebraic methods, SC-languages, use of interval algorithms in computer algebra systems, analytical evaluations in interval algorithms, organization of symbolic-numeric interfaces, interval and computer-algebraic methods in education, unification of terminology and notation, and applications in various fields of science and engineering.

TIME AND PLACE

The Conference will be held March 6-11, 1994 in St.Petersburg. St.Petersburg is the historical capital of Russia, and a major international tourist attraction. Excursions to traditional places of interest in St.Petersburg are planned. An extra 2 days sightseeing in St.Petersburg can be organized before the beginning of the conference for an additional payment.

EXTENDED ABSTRACTS AND PAPERS

Two copies of an extended abstract of maximum 2 pages are requested for selection purposes. The deadline will be December 1, 1993. A collection of extended abstracts will be printed before the conference. Proceedings including full versions of selected papers will be published after the conference in the International Journal "Interval Computations".

LANGUAGES

The official languages are English and Russian (with mutual translation).

IF YOU WISH TO GET MORE DETAILED INFORMATION, WRITE, PLEASE:

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CONTACTS VIA E-MAIL ARE PREFERABLE!