It starts!

The 15th International GAMM-IMACS Symposium on Scientific Computing, Computer Arithmetics and Verified Numerical Methods

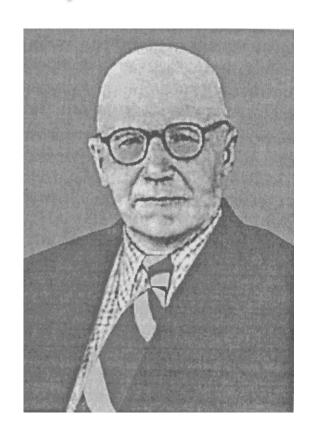
Novosibirsk, September 23-29, 2012

Its organization in Russia and, in particular, in Novosibirsk is neither accidental nor casual.

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Interval analysis and verified numerical computations have deep roots in our scientific life and culture.

Vladimir M. Bradis (1890-1975)



Pedagogue and mathematician

Vladimir M. Bradis (1890-1975)

Vladimir Bradis invented and elaborated the "method of bounds" for approximate calculations.

It is equivalent to interval computations.

- Брадис В.М. Опыт обоснования некоторых практических правил действий над приближёнными числами // Известия Тверского педагогического института. – 1927. – Вып. 3.
- Брадис В.М. Теория и практика вычислений. Пособие для высших педагогических учебных заведений. Москва: Учпедгиз, 1937.
- Брадис В.М. Средства и способы элементарных вычислений. Москва: Издательство Академии педагогических наук РСФСР, 1948.

Leonid V. Kantorovich (1912-1986)



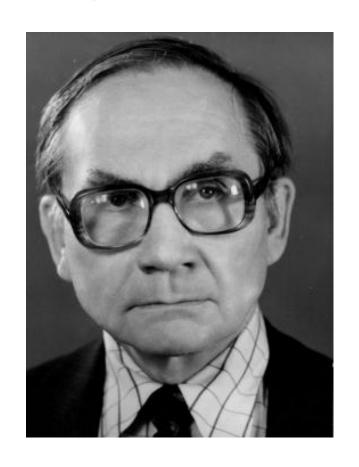
Mathematician and economist

Leonid V. Kantorovich (1912-1986)

Leonid Kantorovich, a co-inventor of linear programming, is also a pioneer of the "set-membership approach" in data processing:

L.V. Kantorovich, On some new approaches to computational methods and observation processing, Siberian Math. Journal, 3 (1962), № 5, pp. 701-709.

Nikolay N. Yanenko (1921-1984)



Mathematician and mechanician

Nikolay N. Yanenko (1921-1984)

Nikolay Yanenko is "father of the fractional steps methods", popular decomposition method for numerical solution of PDEs.

It was he who initiated researches in interval analysis in Novosibirsk in 60's.

Yuri I. Shokin



Director of Institute of Computational Technologies

Yu.I. Shokin, *Interval Analisys*, Novosibirsk, Nauka, 1981.



 the first Russian book on interval analysis, was published in Novosibirsk

A good tradition of our scientific community is biannual R.E. Moore Prize awarded for the best work on applications of interval methods.

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This year, R.E. Moore Prize is awarded to Prof. Luc Jaulin (ENSTA-Bretagne, Brest, France) for his work on interval methods in underwater robot navigation.