

## Biographies of authors

Bass Valery Isaevich - The Head of Research Direction,  
Department of Integrated Radionavigation systems,  
Russian Institute of Radionavigation and Time (Ministry of Industry  
and Trade of the Russian Federation).

Date of birth: 24.02.1946. In radionavigation since 1967.

Main scientific interests: synchronization and signal control  
methods.

More than 40 publications.

Honorary Radio Specialist of Russia.

Zarubin Sergei Petrovich - Deputy Chief, Department of Integrated  
Radionavigation systems,  
Russian Institute of Radionavigation and Time (Ministry of Industry  
and Trade of the Russian Federation).

Date of birth: 29.08.1957. In radionavigation since 1980.

Main scientific interests: radionavigation transmitters.

One of the developers of solid-state transmitter for "Chayka"  
stations.

Chief constructor of some projects for "Chayka" system  
improvement.

More than 20 publications.

Honorary Radio Specialist of Russia.

Efremov Pavel Eduardovich - Chief, Department of Integrated  
Radionavigation systems,  
Russian Institute of Radionavigation and Time (Ministry of Industry  
and Trade of the Russian Federation).

Date of birth: 30.07.1956. In radionavigation since 1985.

Main scientific interests: synchronization equipment for  
radionavigation transmitters.

More than 15 publications.

Honorary Radio Specialist of Russia.

Choglokov Alexander Evgenyevich - Chief, Section of  
Program/Mathematical Support,  
Department of Integrated Radionavigation systems,  
Russian Institute of Radionavigation and Time (Ministry of Industry  
and Trade of the Russian Federation).

Date of birth: 09.01.1960. In radionavigation since 1985.

Main scientific interests: wave propagation, digital signal processing. More than 10 publications.

Tsarev Viktor Mikhailovitch, Director, Federal State Unitary Enterprise

'INTERNAVIGATION Research and Technical Center of Advanced Navigation Technologies'

(Ministry of Industry and Trade of the Russian Federation).

Date of birth: 02.08.1949.

Since 1971 has been engaged in the field of navigation and communications.

During the period up to 2003 was directly involved in the operation, organization and control of the Russian long-range navigation radio systems.

Ph.D. in Engineering, Honoured Worker in the area of Communications of the Russian Federation, Honorary Radio Specialist of Russia.

Chairman of the RADIONAVIGATION National Technical Standardization Committee.

Deputy Chairman of the RADIONAVIGATION Interstate Council of the CIS member states.