



## TENTATIVE PROGRAM

### INTERNATIONAL WORKSHOP

*Marine measurements in Hydrophysics and Geophysics*  
(AUGUST 11-14, 2018, VLADIVOSTOK, RUSSIA)

**August 11. Arrival.**

**August 12. Day 1.**

**9.00 – 10.20. Keynote lectures.**

9.00 – 9.40. Chashechkin, Yu.D. METROLOGY OF MARINE MEASUREMENTS: PROBLEM OF COMPLETENESS.

9.40 – 10.20. Ostrovskii, A.G. TRENDS IN THE DEVELOPMENT OF AUTONOMOUS UNDERWATER PROFILERS.

**10.20 – 10.30. Break.**

**10.30 – 12.00. Session 1.**

Kim, S.Y. COASTAL SURFACE CURRENT MEASUREMENTS USING HIGH-FREQUENCY RADARS FOR STUDIES OF SUBMESOSCALE GEOPHYSICAL TURBULENCE.

Zatsepin, A.G. COASTAL HYDROPHYSICAL POLYGONS AS A TOOL FOR OPERATIONAL OCEANOGRAPHY.

Liapidevskii, V.Yu., I.O. Yaroshchuk, F.F. Khrapchenkov, V.F. Kukarin. RUN UP OF LARGE AMPLITUDE INTERNAL WAVES.

Navrotsky, V.V., V.Yu. Liapidevskii, E.P. Pavlova, F.F. Khrapchenkov. ON HEAT, MOMENTUM AND ENERGY FLUXES IN STABLY STRATIFIED COASTAL WATERS.

Chashechkin, Yu.D., V.V. Levitskii, Ya.V. Zagumennyi, Dimitrieva, N.F. FINE STRUCTURE OF OCEANIC STRATIFICATION AND SELF-PROPULSION OF NEUTRAL BUOYANCY BODIES.

Yakush, S.E. WAVE STRUCTURE OF SUPERHEATED LIQUID EXPANSION INTO THE ATMOSPHERE

**12.00 – 13.00. Discussion.**

**13.00 – 14.30. Lunch.**

**14.30 – 19.00. Visit to the POI laboratories and boat field tour.**

## **August 13. Day 2.**

### **9.00 – 10.20. Keynote lectures.**

9.00 – 9.40. Fraunie, P., A. Sentchev, D. Bourras, J.L. Devenon, I. Pairaud, C. Quentin.

COHERENT STRUCTURES IN COASTAL FLOWS : OBSERVATIONS AND MODELING.

9.40 – 10.20. Salyuk, P.A. SATELLITE, REMOTE SENSING AND IN-SITU OCEAN COLOR MEASUREMENTS IN VARIOUS OPTICAL CASE WATERS IN THE PETER THE GREAT BAY.

### **10.20 – 10.30. Break.**

### **10.30 – 12.15. Session 2.**

Baydulov, V.G. OPTIMIZATION OF OSCILLATIONS OF A NEUTRAL BUOYANCY BODY IN A TWO-LAYER FLUID ON ITS FORM.

Fukumoto, Y. MECHANICAL ANALOGUE OF A ROTATING FLOW OF A STRATIFIED FLUID CONFINED IN A SPHEROID.

Arsenyev, S. A., L.V. Eppelbaum, N.Y. Ermakov. ABOUT FORECASTING OF VIOLENT TORNADO.

Chugainova, A. SPECIAL DISCONTINUITIES IN MODELS OF CONTINUUM MECHANICS.

Nizamova, A.D., V.N. Kireev, S.F. Urmancheev. THE INFLUENCE OF THE TEMPERATURE FACTOR ON THE HYDRAULIC RESISTANCE.

Ilinykh, A.Yu. DISTRIBUTION OF COMPLEX DROPLET MATERIAL AT THE SPLASH.

Verezub N.A., A.I. Prostomolotov, V.L. Manomenova, E.B.Rudneva. MATHEMATICAL AND PHYSICAL SIMULATION OF HYDRODYNAMICS FOR KDP CRYSTAL GROWTH.

### **12.15 – 12.30. Break.**

### **12.30 – 13.00. Session 3.**

Bardakov, R.N. THE STRATIFIED FLOW STRUCTURE NEAR A UNIFORMLY MOVING STRIP.

Prokhorov, V.E. MOLECULAR COALESCENCE INFLUENCE ON THE SOUND EMISSION WHEN DROP COLLIDES WITH WATER SURFACE.

### **13.00 – 14.30. Lunch.**

### **14.30 – 16.00. Discussion.**

### **16.00 – 19.00. Poster session and closing.**

## **August 14. Departure.**

## Posters:

1. Burenin, A.V., Yu.N. Morgunov, E.A. Voitenko. HIGH-ACCURACY UNDERWATER RANGE-FINDING COMPLEX TESTING.
2. Cheranov, M.Yu., A.A. Tagiltsev, R.A. Goncharov, G.P. Shvetsov. SYNCHRONOUS MEASUREMENTS OF WATER TEMPERATURE USING THERMOSTRINGS.
3. N.I. Diuldina. INVESTIGATION OF THE LOW-FREQUENCY SOUND ATTENUATION AT THE NORTHWESTERN PACIFIC SUBARCTIC FRONT.
4. Fischenko, V.K., P.S. Zimin, A.V. Zatserkovniy, A.A. Goncharova, A.E.Subote. USE OF IP CAMERAS FOR RECORDING OF SEA WAVES AND SEA LEVEL FLUCTUATIONS IN COASTAL ZONES.
5. Fischenko. V.K., P.S. Zimin, A.V. Zatserkovniy, A.A. Goncharova, A.E. Subote. THE USE OF STATIONARY UNDERWATER VIDEO OBSERVATION SYSTEMS FOR ESTIMATION OF WAVE PROCESSES AND SUBSURFACE CURRENTS PARAMETERS.
6. Morgunov, Yu. N., V.V. Bezotvetnykh, M.S. Lebedev, A.A. Golov RESULTS OF EXPERIMENTAL APPROBATIONS OF THE SOFTWARE-HARDWARE SYSTEM FOR HYDROLOGICAL PARAMETERS MONITORING IN COASTAL AREA OF THE KOREAN STRAIT.
7. Sergeev, A.F., Karnaukh V.N., Lobanov V.B., et al. BACKGROUND WATER STRUCTURE IN THE AREA OF A GAS FLARE DETECTED IN THE EASTERN PART IN THE SEA OF OKHOTSK (TINRO DEPRESSION).