

# **THE 3<sup>RD</sup> RUSSIA-CHINA SYMPOSIUM ON MARINE SCIENCE**

**September 21-23, 2017, Vladivostok, Russia**

## **PRELIMINARY PROGRAM**

### **September 21**

09:00 Bus to POI FEB RAS from ACFES SEIYO HOTEL

**9:30 -10:40 Opening ceremony of POI-FIO Joint Research Center Ocean and Climate (JRC)  
(main conference hall, POI), convener Anatoly Astakhov**

9:30-9:40 Speech of Aleksandr Yurchenko FRA FASO (Federal Agency for Scientific Organizations of Russia)

9:40-9:50 Speech of Tanzhou Qu, SOA (State Oceanic Administration of China)

9:50-10:00 Welcome speech (Vyacheslav Lobanov, Director of POI).

10:00-10:10 Welcome speech (Tiegang Li, Director of FIO).

10:10-10:25 Sign the Regulation on the operation of JRC

10:25-10:40 Opening ceremony in the laboratory room of JRC (2<sup>nd</sup> floor, POI)

**11:45-12:00 Bus from POI FEB RAS to ACFES SEIYO HOTEL**

### **The 3<sup>rd</sup> Russian-China Symposium on Marine Science**

11:30-12:15- Registration of participants (ACFES SEIYO HOTEL)

12:15-13:00 - Welcome speech,

Tiegang Li (Director of FIO)

Vyacheslav Lobanov (Director of POI)

Group photo for all participants

13:00-14:00 Lunch and posters

**14:00-17:00 Sessions Conveners: Anatoly Astakhov, Tiegang Li**

14:00-14:30 Sergey Gorbarenko ADVANCES IN THE RESEARCH OF PALEOCEANOGRAPHY AND CLIMATE CHANGES IN THE NORTHERN PACIFIC AND MARGINAL SEAS AS A RESULT OF THE CHINESE-RUSSIAN COOPERATION DURING LAST DECADE.

14:30-15:00 Xuefa Shi VARIATIONS IN SEDIMENTARY AND PALEOENVIRONMENT IN THE NW PACIFIC DURING THE LATE QUATERNARY ON ORBITAL AND MILLENNIAL TIME SCALES

15:00-15:30 Igor Semiletov PERMAFROST THAWING DRIVES THE CARBON CYCLE IN THE EAST SIBERIAN ARCTIC LAND-SHELF SYSTEM: SELECTED RESULTS (1990-2017) AND NEW CHALLENGES

15:30-15:45 Coffee break

15:45-16:05 Sergey Prants HOW EDDIES GAIN, RETAIN AND RELEASE WATER: THE LAGRANGIAN APPROACH

16:05-16:25 Jinsong Yang SATELLITE REMOTE SENSING OF EXTREME WEATHER

16:25-16:45 Leonid Mitnik PASSIVE MICROWAVE SENSING OF THE NORTHWEST PACIFIC TROPICAL ZONE FROM THE CURRENT AND NEXT GENERATION SATELLITES

16:45-17:05 Jianjun Zou SEDIMENTARY OXYGENATION VARIATIONS IN THE OKINAWA TROUGH OVER THE LAST GLACIAL PERIOD: IMPLICATIONS FOR THE VENTILATION OF NPIW

17:05-17:25 Xiangwen Ren CONTROLS ON THE CONCENTRATION OF CO IN FERROMANGANESE CRUSTS FROM THE MAGELLAN SEAMOUNTS, WEST PACIFIC

17:25-17:45 Viktor Chelomin ECOTOXICOLOGICAL PROBLEMS OF MICROPLASTICS

17:45-18:05 Vladimir S'edin FEATURES OF THE GEOLOGICAL STRUCTURE OF MARGINAL SEAS OF THE EAST ASIA

18:10 Bus to Restaurant Del Mar

19:00 Welcome Dinner (hosted by ROI or FIO)

## **September 22**

### **10:00 - 13:00 Sessions Conveners: Xiqiu Han, Sergey Gorbarenko**

10:00-10:20 Anatoly Astakhov ICE CONDITIONS OF THE LAST CENTURIES IN THE NORTHERN CHUKCHI SEA: RECONSTRUCTIONS USING DETAILED VARIATION OF CHEMICAL COMPOSITION IN SHELF SEDIMENTS

10:20-09:40 Limin Hu THE SEDIMENTARY RESPONSE OF ORGANIC MATTER TO NATURAL FORCING IN THE BERING SEA: SEA-ICE VARIABILITY AND REGIME SHIFT FOR THE PAST CENTURY

10:40-11:00 Victor Karnaukh THE LATE NEOGENE (?) VOLCANIC ACTIVITY ON THE PERVENETS RISE: COMBINATION OF HIGH RESOLUTION SEISMIC PROFILING AND MULTYBEAM SURVEY

11:00-11:20 Jianxing Liu WIDESPREAD OCCURRENCE OF GREIGITE (Fe<sub>3</sub>S<sub>4</sub>) IN THE SEDIMENTS OF THE CENTRAL SOUTH YELLOW SEA: IMPLICATIONS FOR PALAEOENVIRONMENTAL CHANGES DURING THE MID-PLEISTOCENE

11:20-11:40 Vadim Navrotsky THE WORLD OCEAN AS THE MAIN DRIVER OF CLIMATE CHANGE

11:40-12:00 Coffee break

12:00-12:20 Xiqiu Han HYDROTHERMAL ACTIVITY ON THE SLOW SPREADING CALSBERG RIDGE

12:20-12:40 Anatoly Obzhirov GASGEOCHEMICAL INDICATORS GEOLOGICAL PROCESSES ON THE COSTAL AND SEA

12:40-13:00 Alexander Derkachev NEW DATA ON TEPHROSTRATIGRAPHY OF HOLOCENE-PLEISTOCENE DEPOSITS FROM THE NORTH-WEST PACIFIC (on the basis of the materials of 76th Cruise of the R/V “Akademik M.A. Lavrentyev”)

13:00 -14:00 Lunch and posters

14:00 - 17:00 Sessions **Conveners: Leonid Mitnik, Xuefa Shi**

14:00-14:20 Xuele Zhang BENTHIC PROXY OF THE PRODUCTION TREND OF THE YELLOW SEA

14:20-14:40 Yuan Chi EVALUATION ON ISLAND ECOLOGICAL VULNERABILITY AND ITS SPATIAL HETEROGENEITY

14:40-15:00 Hongjun Song DERIVE CHLOROPHYLL DISTRIBUTIONAL PATTERN FROM “GAPPY” SATELLITE DATA IN THE ARCTIC OCEAN: A STATISTICAL APPROACH

15:00-15:20 Vladimir Ponomarev CLIMATE REGIME CHANGE IN THE LAND-OCEAN-ATMOSPHERE SYSTEM AT THE TURN OF 20-21 CENTURIES

15:20-15:40 Coffee break

15:40-16:00 Aijun Pan LOCAL WINTERTIME VENTILATION IN THE CENTRAL NORTH PACIFIC

16:00-16:20 Galina Vlasova SSTA AND CHLAAS INDICATORS OF UPWELLING ALONG THE COAST OF VIETNAM

16:20-16:40 Weibo Wang THE INFLUENCE OF SEA SURFACE TEMPERATURE IN NOVEMBER ON THE INCREMENT OF SEA ICE AREA BETWEEN DECEMBER AND THE FOLLOWING JANUARY IN BERING SEA

16:40-17:00 Dmitry Kaplunenko THE UNIQUE OCEANOGRAPHIC MEASUREMENTS OF CLIMATIC EFFECTS OBSERVED DURING THE JOINT RUSSIAN-CHINESE CRUISES OF 2010-2016 TO THE NORTH-EAST ASIAN MARGINAL SEAS FROM SURFACE TO BOTTOM

17:00-17:40 **Meeting summary and discussion.** (moderators: Anatoly Astakhov, Shi Xuefa)

18:30 Banquet for participants of a symposium (ACFES SEIYO HOTEL)

## Posters session

Antonina Artemova DIATOM DISTRIBUTION AND GEOCHEMICAL EVIDENCE IN THE HOLOCENE KURILE BASIN SEDIMENTS (SEA OF OKHOTSK)

Olga Psheneva BOTTOM WATER CONDITION CHANGES IN THE NW PACIFIC DURING THE LAST GLACIAL MAXIMUM- HOLOCENE ACCORDING TO BENTHIC FORAMINIFERA.

Ira Tsoy DIATOMS AS INDICATORS OF THE LATE HOLOCENE ENVIRONMENTAL CHANGES IN THE EAST SIBERIAN AND CHUKCHI SEAS

Yuriy Vasilenko THE SEA ICE CONDUCTION IN THE EASTERN SEA OF OKHOTSK DURING THE DEGLACIATION AND HOLOCENE

Elena Yanchenko RADIOLARIAN RESPONSES OF THE CENTRAL OKHOTSK SEA TO THE ORBITAL AND MILLENNIAL CLIMATE CHANGES OVER THE LAST 135 KYR

Sergei Pletnev A HISTORY OF METHANE RELEASE IN SOUTHWESTERN PART OF THE OKHOTSK SEA DURING THE LAST 10 000 YEARS (FORAMINIFERA,  $\delta^{13}\text{C}$ ,  $\delta^{18}\text{O}$ ,  $^{14}\text{C}$ )

Irina Pipko DISTRIBUTION AND AIR-SEA FLUXES OF CARBON DIOXIDE ON THE CHUKCHI SEA SHELF

Kseniia Shcherbakova INITIAL RESULTS ON METHANE ISOTOPIC COMPOSITION IN THE EAST SIBERIAN SEAS AND OB RIVER

Oleg Dudarev EAST-SIBERIAN SEA: SPATIAL AND INTERANNUAL VARIABILITY OF THE SUSPENDED PARTICULATE MATTER COMPOSITION (DATA FOR 1999-2016)

Alexander Charkin DISCOVERY AND CHARACTERIZATION OF SUBMARINE GROUNDWATER DISCHARGE IN THE BUOR-KHAYA GULF, LAPTEV SEA

Galina Malakhova DIAGENESIS OF MAGNETIC MINERALS IN THE SEDIMENTS OF THE JAPAN SEA (YAMATO RISE) FOR THE LAST 78 KA AND ITS EFFECT ON THE GEOMAGNETIC AND CLIMATIC SIGNALS

Nadezhda Astakhova GOLD, SILVER AND PLATINUM IN FERROMANGANESE CRUSTS FROM MARGINAL SEAS OF THE NORTHWEST PACIFIC

Valentina Sattarova REEs GEOCHEMISTRY OF SURFACE SEDIMENTS IN THE CHUKCHI AND EAST SIBERIAN SEAS

Kunshan Wang CHARACTERISTICS AND DISTRIBUTION OF DETRITAL MINERALS IN THE SURFACE SEDIMENT OF THE OKHOTSK SEA AND WESTERN BERING SEA

Shiguo Wu TECTONIC EVOLUTION ON THE ARC SUBDUCTION ZONE OF MARIANA

Elena Vologina CHARACTERISTICS OF SURFACE BOTTOM SEDIMENTS OF THE SOUTH PART OF CHUKCHI SEA (preliminary results)

Tatiana V. Nikulina FEATURES OF THE PHYTOPLANKTON COMMUNITIES IN THE SAKHALIN ISLAND COASTAL ZONE AND CHARACTERISTIC OF POTENTIAL TOXIC ALGAL SPECIES IN THE SUMMER-AUTUMN PERIOD 2015

Yuliya Golozubova MICROBIOLOGICAL DIVERSITY OF PROTEOBACTERIAS FROM SURFACE WATER OF THE GOLDEN HORN

Viktor Kalinchuk MEASUREMENTS OF MERCURY CONCENTRATIONS IN AIR AND SEAWATER DURING THE FIRST RUSSIAN-CHINESE ARCTIC RESEARCH EXPEDITION ABOARD THE R/V “AKADEMIK M.A. LAVRENTEV”