

APCTP-BLTP JINR JOINT WORKSHOP SERIES

Since 2007

Beginning

APCTP – BLTP JINR International Workshop

June 18 – 23, Dubna

June 19

BLTP, Conference-hall

10:00 *Sang Pyo Kim, Alexei N. Sissakian, Victor V. Voronov*

Opening of the Workshop

10:20 *Sang Pyo Kim (Kunsan National University)*

“Strong QED in Compact Stars”

11:00 *Alexei N. Sissakian, Alexander S. Sorin, Viacheslav D. Toneev (BLTP JINR)*

“Towards searching for a mixed phase of strongly interacting QCD matter at JINR”

11:40 Coffee break

12:00 *Hyung Tae Kook (Kyungwon University)*

“Trends of Statistical Physics Researches in Korean Physical Society”

12:40 *Vyacheslav B. Priezzhev (BLTP JINR)*

"The origin of logarithms in two-point correlation functions"

13:20 Lunch

15:00 *Jong Bae Hong (Seoul National University)*

“Understanding Nonequilibrium Kondo Phenomenon”

15:40 *Yuri M. Shukrinov, Farzad Mahfouzi (BLTP JINR)*

"Influence of coupling between junctions on breakpoint current in intrinsic Josephson junctions"

16:10 Coffee break

2008 APCTP-BLTP JINR Joint Workshop on “Quarks and Mesons in Nuclear Physics”



Apr. 20 (Sun) –24 (Thu), 2008
APCTP, POSTECH, Pohang

[Organizers](#)

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Last update: March 14, 2008

Topics

- 1) Quark Degrees of Freedom in Nuclear Systems
- 2) Meson Degrees of Freedom in Nuclear Systems
- 3) Nuclear Systems in Extreme Conditions



Organizers

S. P. Kim (Kunsan Nat'l Univ. & APCTP)
T. Motobayashi (RIKEN)
V. V. Voronov (BLTP, JINR)



Local Organizing Committee

Jung Keun Ahn (Pusan Nat'l University, ahnjk@pusan.ac.kr)
Hyun-Chul Kim (Inha University, hchkim@inha.ac.kr)
Sang-Pyo Kim (Kunsan Nat'l University & APCTP, sangkim@kunsan.ac.kr)
Wooyoung Kim (Kyungpook Nat'l University, wooyoung@knu.ac.kr)
Chang-Hwan Lee (Pusan Nat'l University, clee@pusan.ac.kr)
Su Houn Lee (Yonsei University, suhoung@phya.yonsei.ac.kr)
Seung-Woo Hong (Sung-Kyun-Kwan University, swhong@skku.ac.kr)



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[2006](#) | [2007](#) | [2008](#) | **2009** | [2010](#) | [2011](#) | [2012](#) | [2013](#) |

January 25 - February 5

[VIIth Winter School on Theoretical Physics](#)

April 1 - 30

XIIIth Research Workshop

[Nucleation Theory and Applications](#)

May 25 - 30

APCTP-BLTP JINR Joint Workshop on

[Frontiers in Black Hole Physics at Dubna](#)

May 28 - 30

APCTP-BLTP JINR Joint Workshop on

[Frontiers in Nuclear Physics at Dubna](#)

June 27 - July 2, Chernogolovka, Russia

International Workshop

[Conformal Field Theory, Integrable Models and Liouville Gravity](#)

June 18 - 20, Prague, Czech Republic

XVIII International Colloquium

[Integrable Systems and Quantum Symmetries](#)

June 30 - July 4

International Conference

[Nuclear Structure and Related Topics](#)

July 26 - August 2, Prague, Czech Republic

Advanced Study Institute

[Symmetries and Spin](#)

July 20 - 29

Helmholtz International Advanced School on

[Modern Mathematical Physics](#)

July 29 - August 3

International Workshop

[Supersymmetries and Quantum Symmetries](#)

August 21 - 27

International Bogolyubov Conference

[Problems of Theoretical and Mathematical Physics](#)

(dedicated to the 100th anniversary of the birth of N.N. Bogolyubov (1909-1992))

September 1 - 5

XIIIth International Workshop on

[High Energy Spin Physics](#)

September 8 - 13

Round Table Discussion IV

[Physics at NICA](#)



4th APCTP- BLTP JINR Joint Workshop

June 24 ~ 26, 2010

APCTP Headquarters, Pohang, Korea



Topics

- Nuclear/Hadron Physics
- Heavy Ion and Rare Isotope Physics
- Nuclear-Astrophysics
- Fundamental Symmetries and New Physics

International Advisors

- H. Bhang (Seoul National Univ.)
- W. Kim (Kyungpook National Univ.)
- S. Lee (Yonsei Univ.)
- K. S. Sim (Korea Univ.)
- V. V. Voronov (BLTP JINR)

International Organizers

- B. S. Hong (Korea Univ.)
- H.-Ch. Kim (Inha Univ.)
- C.-H. Lee (Pusan National Univ.)
- S. N. Nedelko (BLTP JINR)
- N. I. Kochelev (BLTP JINR)

Local Organizers

- B.-Y. Park (Chungnam National Univ.): Chair
- C. H. Hyun (Daegu Univ.)

Invited Speakers

- A. Arbuzov B. (BLTP JINR)

5th Joint Workshop, Dubna, Russia



6th APCTP- BLTP JINR Joint Workshop 2012

October 08 (Mon) ~ October 10 (Wed), 2012

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Venue

APCTP headquarter, Pohang, Korea

https://www.apctp.org/images/apctp/apctp_map_b.jpg

Period

October 08 (Mon) ~ October 10 (Wed), 2012

Overview

The APCTP-BLTP JINR Joint Workshop was initiated to promote cooperation between the Asia Pacific Center for Theoretical Physics (APCTP) and the Bogoliubov Laboratory of Theoretical Physics (BLTP) of the Joint Institute for Nuclear Research (JINR). In 2011, the program was organized by BLTP, and held in Dubna on May 15-20, 2011. Including seven participants from Korea, the total number of participants reached 43, which also included 3 persons from other European countries. The number of talks in the 5th program recorded the largest one up to now, which amounted to 34. Encouraged by the success of this series of Joint Workshop, we are now in the stage to set up collaboration programs, which requires the continuation of the Joint exchange program decisively. This 6th Joint Workshop should be a cornerstone of the constructive collaborations of the scientists from the two sides. Furthermore, this workshop will make the joint activities between the APCTP and BLTP more concrete, which will enhance the friendship and mutual understanding of different cultures as well as scientific achievements of the two sides. Along the line of the motivation of the 6th workshop, the topics to be covered in the workshop will be more detailed compared to those in the previous Joint Workshops. In particular, we will focus on the subjects where the

The 7th BLTP JINR-APCTP Joint Workshop
"Modern problems in nuclear and elementary particle physics",
July 14-19, 2013

Russia, Irkutsk Region, Bolshiye Koty

General Info

Organizing Committee

Program Committee

Scientific program

Participants

Talks

Sponsors



General information

The APCTP-BLTP JINR Joint Workshops were initiated to promote cooperation between the Asia Pacific Center for Theoretical Physics (APCTP) and the Bogoliubov Laboratory of Theoretical Physics (BLTP) of the Joint Institute for Nuclear Research (JINR). The first Joint Workshop was organized by BLTP JINR and was held at Dubna on June 18-23, 2007.



8th APCTP-BLTP JINR Joint Workshop

June 29 (Sun), 2014 ~ July 04 (Fri), 2014

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Registration/Participants

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Talk/Lecture file

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Venue

Hanwha Resort, Jeju Island, Korea

http://www.hanwharesort.co.kr/irsweb/resort2/eng/resort/index_r004.asp?rcode=r0400

Period

June 29 (Sun), 2014 ~ July 04 (Fri), 2014

Overview

The APCTP-BLTP JINR Joint Workshop was initiated to promote cooperation between the Asia Pacific Center for Theoretical Physics (APCTP) and the Bogoliubov Laboratory of Theoretical Physics (BLTP) of the Joint Institute for Nuclear Research (JINR). The 7th Joint Workshop was held under the title "Modern problems in nuclear and elementary particle physics" at Bolshiye Koti, Irkutsk Region, Russia, July 14-19, 2013. Researchers from both sides as well as Japanese participants presented intensive 36 talks on the modern problems in nuclear and elementary particle physics. Encouraged by the success of this series of Joint Workshop, we are now in the stage to set up collaboration programs. In fact, we started to make publications from the results of the collaboration between the two sides, therefore, this joint activity is beneficial to the both and it requires the continuation of the Joint exchange program decisively. So, the 8th Joint Workshop should be another cornerstone of the constructive collaborations of the scientists from the two sides. Furthermore, from the 8th workshop, this activity will include Japanese and Chinese physicists to enrich the collaboration activities. Therefore, this workshop will make the joint activities between the APCTP and BLTP more concrete, which will enhance the friendship and mutual understanding of different cultures as well as scientific achievements of the two sides.

Topics

1. Strangeness nuclear physics
2. Physics of nuclei for the 3rd generation of accelerator facilities: theory and experiment
3. Current and future heavy ion accelerators and detectors
4. Modern status of the Standard Model for nuclear and high energy physics which will include:



9th APCTP - BLTP JINR Joint Workshop at Kazakhstan

*Modern problems of nuclear and
elementary particle physics*

June 27 - July 4, 2015, Almaty, Kazakhstan

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**Local
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Committee**

**Scientific
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First Bulletin

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Scientific Programme

The Workshop programme consists of review talks and contributions presenting original researches at the Plenary sessions and a number of Posters presentations.

The working language of the Seminar is English.

Plenary: [[PDF-file](#)]

Posters: [[PDF-file](#)]

Deadlines:

Visa Application
before **March 31,
2015**

Abstracts submission
April 30, 2015

Registration before
May 15, 2015

Organizers:



Sponsors:



The 10th APCTP-BLTP/JINR-RCNP-RIKEN Joint Workshop on Nuclear and Hadronic Physics

August 17(Wed) - 21(Sun), 2016
RIKEN, Wako, Japan

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Lates information is uploaded

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Outline:

This is 10th of the series of the workshop which have been organized by Korea/APCTP and Russia/JINR-BLTP. This time the workshop is organized for the first time in Japan. In this workshop, we discuss latest issues in nuclear and hadronic physics. We focus discussions on the subjects associated with the composite aspects in both and related fields, which include few-body nuclear systems, cluster dynamics in exotic nuclei, superheavy nuclei and their collective dynamics, multiquark hadrons with heavy quarks, hadrons under extreme conditions, and also subjects from atomic and molecular physics. Because these are the composite systems with correlations characteristic in each physical systems, their properties are strongly influenced by their environments. Therefore change in the properties of (particle) excitations is also discussed. Progresses due to recent developments of computational approach is also discussed including lattice QCD and ab initio methods of nuclear calculations.

Items to be discussed:

- Few-body dynamics of atomic nuclei
- Cluster dynamics in hyper nuclei and unstable nuclei
- Correlations in nuclei
- Hot and dense matter
- Strangeness in nuclei

11th Joint Workshop, St. Petersburg, Russia



12th Joint Workshop, Busan, Korea



13th Joint Workshop, Dubna, Russia

13th APCTP - BLTP JINR Joint Workshop "Modern Problems in Nuclear and Elementary Particle Physics"

14-20 July 2019

International Conference Hall, Dubna, Russia

Europe/Moscow timezone

Overview

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[Participant List](#)

[Poster](#)

[Previous Meetings](#)

Support

 apctp-bltp@theor.jinr...

13th APCTP - BLTP JINR Joint Workshop "Modern problems in nuclear and elementary particle physics"

The APCTP - BLTP JINR Joint Workshop was initiated to promote cooperation between the Asia Pacific Center for Theoretical Physics (APCTP) and the Bogoliubov Laboratory of Theoretical Physics (BLTP) of the Joint Institute for Nuclear Research (JINR).

The first Joint Workshop was organized by BLTP JINR and was held in Dubna on June 18-23, 2007. After a series of very successful Joint Workshops in the JINR and APCTP member countries the 13th APCTP - BLTP JINR Joint Workshop will take place in JINR, Dubna, Russia, 14-20 July 2019.

The main organizers of the 13th Joint Workshop are BLTP JINR and APCTP.

Therefore, one of the goals of the Workshop is to promote the close cooperation in the field of the nuclear and elementary particle physics between Asian countries and Russian leading scientific centers. In particular, we will focus on the subjects where the interests of the researchers of the two sides overlap and thus the collaboration is highly expected.

The participation is by invitation only.

Future

Jump to the next level of cooperation



Moscow, June, 2018





Collaboration Plan on JINR-APCTP cooperation in nuclear physics and training of researchers for the period 2019-2020

1. Overview

The present Collaboration Plan has been drawn up in keeping with the letter and spirit of the existing Exchange Agreement between APCTP and JINR of 25th July 2006 and provides for terms of cooperation in programmes of joint research and training, specified below. Since 2007, APCTP and JINR Bogoliubov Laboratory of Theoretical Physics (BLTP) have implemented 14 joint workshops and plan to continue these activities in Busan, Korea in 2019, in Russia in 2020 and later on.

1.1 Objective

- Foster key talents and build a world-wide collaborative research system
- Establish a foundation for JINR-Korea science and technology cooperation

1.2 Programmes

- **Joint research programme:** Exchange of basic science researchers between JINR and Korea
 - Launch visiting programme based on the existing APCTP-JINR network to initiate the cooperation in the science and technology with JINR Member States and partner countries
 - Invite JINR researchers to APCTP for collaborative research
 - Hold academic seminars during the visit and promote the expansion of joint research global networks
- **Partnership academic programme:** Support academic activities specialized in nuclear physics
 - Launch a flagship joint academic programme based on the APCTP-JINR network to advance nuclear physics research
 - Implement an international joint academic activity with JINR (BLTP)
- **Young scientist training programme:** Nurture prominent nuclear physicists
 - Invite a JINR renowned nuclear physicist to ask his/her advice on the Korean basic science research
 - Operate a distinguished scholar-junior researcher matching programme for Korean researchers to learn about his/her insights on the direction of early research and expand a network of joint research

APCTP and JINR shall confirm additionally through a formal exchange of letters availability of specific amounts and mechanisms of their payment under above budget.

3. Contacts

Individuals responsible for implementation of joint activities under the Protocol:

- on the part of APCTP: Dr. Woo-Sung Jung, Executive Director, APCTP, woosung.jung@apctp.org
- on the part of JINR: Dr. Nikolay Antonenko, Deputy Director, JINR BLTP, antonenk@theor.jinr.ru

4. Miscellaneous

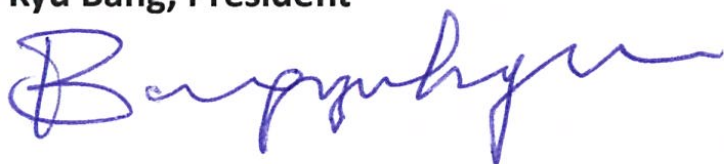
This Collaboration Plan may be modified by mutual consent. The Collaboration Plan shall be in effect from the date of signature for a period of five years. It will be automatically extended for an additional period of five years at each expiration date, unless either party gives six month's advance notice in writing to terminate the agreement.

This Collaboration Plan is to be executed in duplicate copies in English with each of the copies being equally authentic.

Date : 2019.05.17

For and on behalf of APCTP

Yun Kyu Bang, President



Date : 2019.05.17

For and on behalf of JINR

Victor A. Matveev, Director



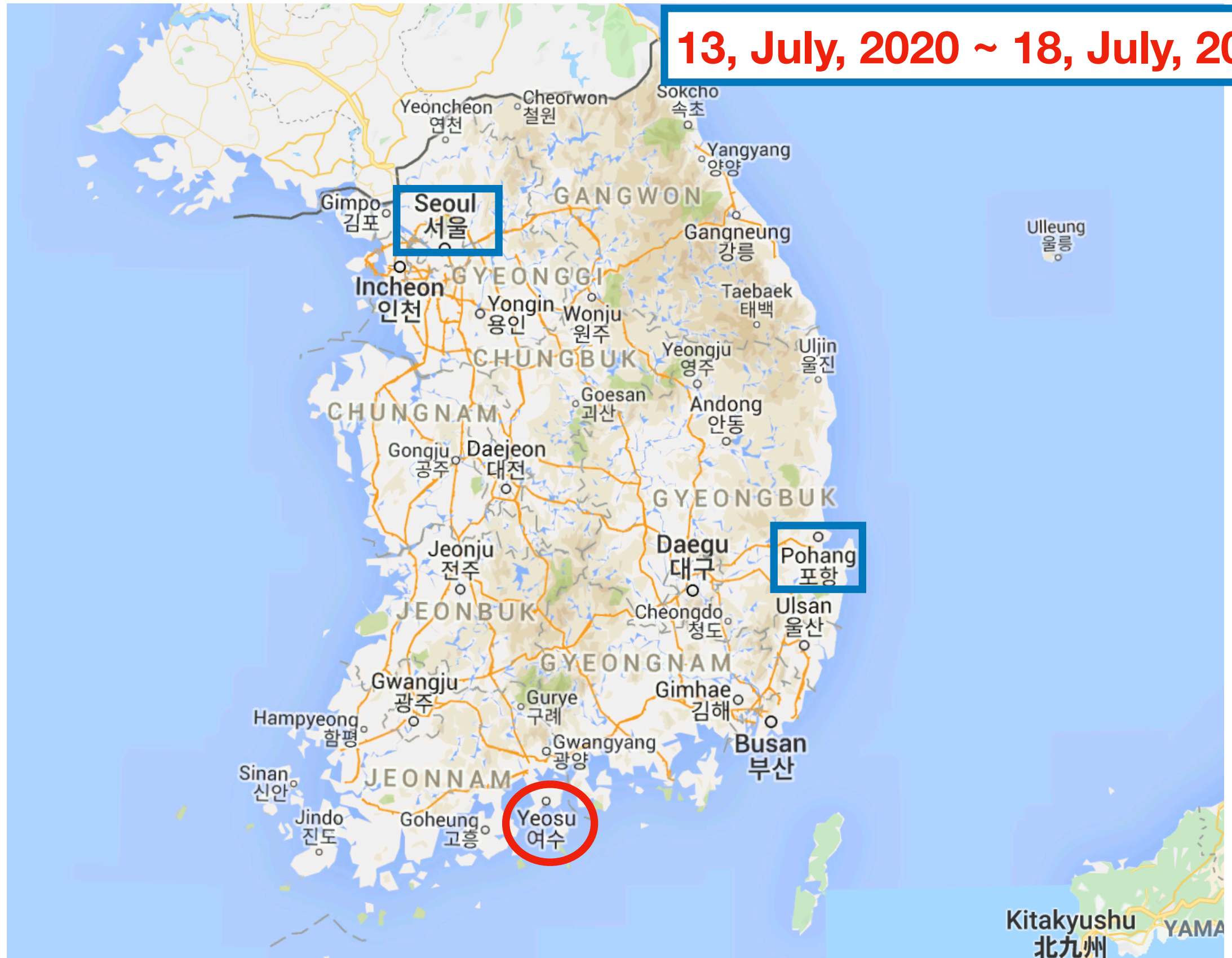
1.3 Strategy

- Enable collaborations and foster key talents through the step-by-step strategy:

	STEP1: Set up a new cooperative network building on the existing APCTP-JINR research collaborations.	STEP2: Expand the cooperative network by promoting academic activities and research.	STEP3: Broaden global partnership by extending the cooperation and maintaining the reciprocal relationship
Joint Research Programme	Exchange of researchers	Long-term placement of competitive researchers from JINR	Launch a new Korea-JINR joint research group
Partnership Academic Programme	Organize academic workshops	Extend participation scope	Develop academic activities into a flagship project in the Asia Pacific region
Young Scientist Training Programme	Invite distinguished JINR scholars to Korea	Give an opportunity for junior scientists to be advised on their research by invited distinguished JINR scholars	Long-term placement of distinguished JINR scholars to train Korean junior scientists.

14th Joint Workshop, Yeosu (麗水), Korea

13, July, 2020 ~ 18, July, 2020







We invite you!

