



19 August 2014

On behalf of the local organizing committee (LOC) and the international advisory committee (IAC), it is our great pleasure to send you the 1st bulletin for CHEP 2015. This 21st Conference in the series will take place in Okinawa Island, Japan, from Monday 13 until 17 April 2015.

This first bulletin contains the main topics for the conference, basic practical information, as well as the time line for the submission of abstracts and registration deadlines.

The contents of this and future bulletins will be saved at our site:

<http://chep2015.kek.jp/>

Best Regards,

Hiroshi Sakamoto, conference chair.

CHEP 2015 BULLETIN 1

About CHEP

The International Conference on Computing in High Energy and Nuclear Physics (CHEP) is a major series of international conferences for physicists and computing professionals from the High Energy and Nuclear Physics community, Computer Science, and Information Technology. Recent conferences were held in Amsterdam (the Netherlands) in 2013, New York (USA) in 2012, and in Taipei (Taiwan) in 2010.

Time table

Call for Papers: Aug. 19th, 2014

Registration open: Aug. 19th, 2014

Abstract Submission Deadline: Oct. 15th, 2014

Notification of Acceptance: Dec. 15th, 2014

End of Early Bird Registration: Jan. 15th, 2015

End of Online Registration: Mar. 15th, 2015

Conference: Apr. 13th - 17th, 2015

Program

"Evolution of Software and Computing for Experiments"

In 2015, the LHC will restart. Experimental groups at the LHC have reviewed their Run 1 experiences in detail, acquired the latest computing and software technologies, and constructed new computing models to prepare for Run 2.

On the side of the intensity frontier, Super-KEKB will start commissioning in 2015, and fixed-target experiments at CERN, Fermilab and J-PARC are growing bigger in size. In nuclear physics field, FAIR is under construction and RHIC well engaged into its Phase-II research program facing increased datasets and new challenges with precision Physics. For the future, developments are progressing towards the construction of ILC. In all these projects, computing and software will be even more important than before.

Beyond those examples, non-accelerator experiments are also seeking novel computing models as their apparatus and operation become larger and distributed.

With much progress, thoughts and new directions made in recent years, we strongly feel we have reached the perfect time where meeting together and sharing our experiences will be highly beneficial.

The scientific program of CHEP2015 will consist of plenary sessions with invited oral presentations, a number of parallel sessions comprising oral and poster presentations, and an industrial exhibition. The plenary sessions will occupy the four mornings and one afternoon (Thursday) and the parallel sessions will be held on Monday/Tuesday afternoons and in the morning of Thursday.

Contributions are solicited in the form of abstracts and the Program Committee, with the help of the International Advisory Committee, will use them to finalize the program.

Conference Topics

This conference covers following topics represented by 'keywords'.

The keywords are categorized in two areas: Applications and Technologies.

Abstract submitters should check as many keywords as they think they fit. The keywords selection is not mandatory for the abstract submissions, but warmly suggested as it helps the PC to organize the tracks.

In case of questions/doubts about which keywords to select, please contact the PC chair (e-mail: chep2015-pc-chair -at- icepp.s.u-tokyo.ac.jp).

- APPLICATION Keywords

A01 DAQ

A02 Trigger

A03 Simulation

A04 Reconstruction

A05 Data analysis

A06 Data stores

A07 Experiment frameworks for WAN distributed computing

A08 Middleware and services for production-quality infrastructures

A09 Outreach

A10 Multi-discipline / multi-experiment topic

- A11 Computing models
- A12 Data preservation
- A13 Monitoring

- TECHNOLOGIES Keywords

- T01 Control systems
- T02 Event processing frameworks
- T03 Data structures and algorithms
- T04 Data handling/access
- T05 Databases
- T06 Storage systems
- T07 Computing facilities and infrastructures
- T08 Software design
- T09 Software development process
- T10 Performance and validation tools
- T11 Continuous integration systems
- T12 Parallel programming
- T13 Networking
- T14 Collaborative tools
- T15 Cloud computing
- T16 Virtualization
- T17 High performance computing
- T18 CPU architectures, GPU, FPGA

Venue, lodging and travel

The conference will be held at OIST, Okinawa Institute of Science and Technology graduate university, in Okinawa, Japan. It is located in the Onna village at the center of Okinawa Island, which is located at about 1,500 km south from Tokyo, Japan.

The local airport is Naha International airport. Domestic flights from the main Japanese

airports to Naha are available. It takes 90 minutes by bus from Naha International airport to the Onna village. Limousine bus service will be available from the airport.

More detailed access information to the venue are shown in the OIST web page;

<http://www.oist.jp/access-map/>

The following hotels will be reserved for attendees. The bus services also are available from all of hotels and the venue.

- Rizzan Sea-Park Hotel Tancha-Bay

<http://www.rizzan.co.jp/english/index.html>

- HOTEL MONTEREY OKINAWA

<http://www.hotelmonterey.co.jp/en/htl/okinawa/>

- HOTEL Moon Beach

<http://www.moonbeach.co.jp/international/english.html>

Social activities

The local organizers invite all participants to the conference reception on Monday, April 13th and the conference banquet on Thursday, April 16th. Both events will be held at Rizzan Sea-Park Hotel.

No sessions are scheduled for Wednesday afternoon. You are invited to explore Okinawa, and the local organizers will be pleased to help you enjoy the best place in Okinawa.

Collocated Events

The WLCG (Worldwide LHC Computing Grid) Collaboration Workshop and the DPEHP (Data Preservation for HEP) Workshop will take place at the same venue on April 11th and 12th as the collocated events. Registration to these workshops should be done via the CHEP2015 online registration page.

Sponsoring

CHEP2015 is supported by the following institutes and companies.

High Energy Accelerator Research Organization (KEK)
Ministry of Education, Culture, Sports, Science and Technology (MEXT)
Okinawa Convention & Visitors Bureau (OCVB)
Okinawa Prefecture
Okinawa Institute of Science and Technology Graduate University (OIST)
Research Center for Nuclear Physics, Osaka University
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If you have any questions, please contact with us.

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