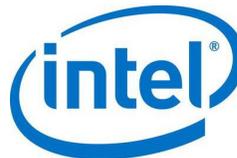# CHEP 2018 FOURTH BULLETIN

June 26, 2018

CHEP 2018, the 23rd International Conference on Computing in High-Energy and Nuclear Physics, will take place at the National Palace of Culture (NDK), Sofia, Bulgaria on July 9-13, 2018. Up-to-date information about CHEP 2018 and historical information about the CHEP conferences can be found on the CHEP 2018 Web site http://CHEP2018.org.

Important Dates

- PyHEP Pre-Conference Workshop: **7-8 July, 2018**
- Public Outreach Event: **8 July, 2018**
- CHEP Conference: **9-13 July, 2018**
- Organized trips: **14 and/or 15, July, 2018**

Plenary and Parallel Program

The International Advisory Committee and the Program Committee have constructed a rich plenary program consisting of many extended presentations promoted out of their parallel tracks, as well as invited talks on a variety of topics. Here we highlight the ones that go well beyond HEP.

The Monday July 9 session will start with a talk on the "Integrated HPC Infrastructure for the Research Communities in South-East Europe" to be given by Prof. Emanouil Atanassov, head of the Department of Grid Technologies and Applications of the Bulgarian Academy of Sciences. It will be followed by presentations on the Helix Nebula Science Cloud EU project - an introduction and two contributions from our *platinum sponsors*: **T-Systems** and the **RHEA Group**!

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CHEP 2018

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The afternoon we will begin with "How to successfully implement a diversity program with positive change" by Prof. Lee Bitsóí, Chief Diversity Officer at Stony Brook University. Also during that afternoon we will learn about "Blockchain for Large Scale Scientific Computing" by Dr. Lindsey Gray, CMS physicist at Fermilab. We will conclude with a presentation on "Software citation" by Prof. Daniel S. Katz, Assistant Director for Scientific Software and Applications of the National Center for Supercomputing Applications at the University of Illinois at Urbana-Champaign.

On Tuesday morning Jean-Yves Le Meur, MSc, digital library services engineer in CERN IT will present "The obsolescence of Information and Information Systems". On Wednesday morning we will learn about "The SKA project and development of Regional Data Centres" by Dr. Rosie Bolton of the University of Cambridge and the Square Kilometre Array project.

On Thursday morning we begin with the "Challenges and Opportunities for the Computational Molecular Sciences" by Prof. T. Daniel Crawford of Virginia Tech, Director of the Molecular Sciences Software Institute. Next, Dr. Elizabeth Sexton-Kennedy, Chief Information Officer at Fermilab will talk about "Quantum Computing". Finally, in the afternoon, Dr. Luca dell'Agnello, head of the INFN Tier-1, will present the "Disaster recovery of the INFN Tier-1 data center: lesson learned".

An extensive set of more HEP-specific topics are intermixed! Please refer to the website and Indico time table for further details.

Regarding the parallel program, please try to upload your contributions by July 2, i.e. 1 week prior to the start of the conference. This will allow the track conveners to prepare for the summary presentations on Friday. The deadline applies to posters as well as talks. Late entries risk getting ignored for the summaries.

For posters there is good news: our *silver sponsor* **Intel** has kindly provided a NUC mini PC for each of the 3 prize winners to be announced on Friday morning!

Birds of Feather Sessions

The conference facilities allow to hold multiple BoF sessions, either planned or ad-hoc. To facilitate the organization, we have created a mailing list chep2018-bof@cern.ch.

If you already have an idea for a BoF, send a message to the list specifying the session theme. We will take care of the announcement to the CHEP participants.
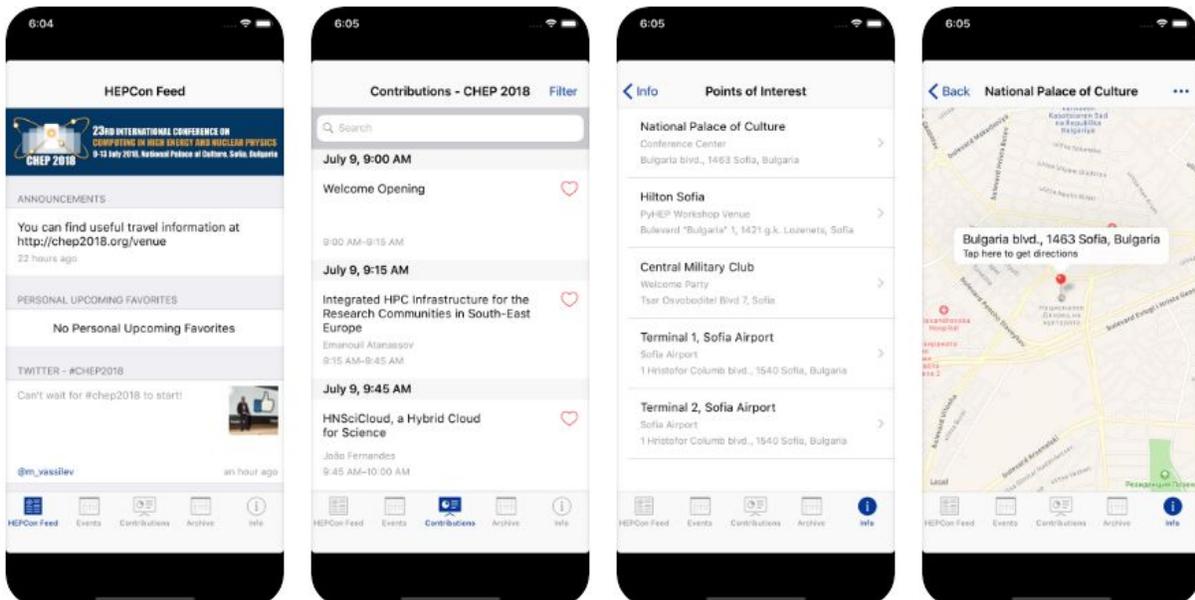
The ad-hoc sessions will be announced during the conference and will cover subjects of common interest, for which there was not enough discussion time during the plenary or parallel sessions.

HEPCon Conference App

The conference organizers worked towards providing an easy way of accessing both online and offline conference agenda and additional data. HEPCon mobile app supports iOS and Android mobile platforms. The app is available in Apple AppStore and Google Play and it is completely free to use. The app displays relevant conference information in their hand. App users are able to:

- Receive tweets and announcements
- Navigate conference agenda - events, sessions, speakers
  - filter by category or text
  - bookmark favorites
  - create reminders
  - see ongoing sessions
- View extended information such as lists of the members of the international advisory committee, local organization committee and sponsors
- View the conference venue floor maps
- Save time locating points of interest with integrated "Get directions" functionality such as:
  - conference venue
  - official dinner
  - hotels
  - airport terminals

Contact

The conference chairs are Peter Hristov (CERN), Petya Vasileva (CERN) and Vassil Vassilev (Princeton University). Questions about the scientific organization, sponsorship or other enquiries should be addressed to chep2018-chairs@cern.ch.