

General Information

L. Fiorini, J. Hernández, A. Pacheco, J. Salt

I Workshop Computing & Software
of the Spanish LHC Network

28/04/2021



Information

- Workshop sessions are:
 - 28 April 9h00-14h00
 - Machine Learning and Software (COMCHA)
 - 29 April 9h00-14h00
 - LHC Computing and GRID
- Contributions are of two type:
 - Review talks followed by ~25' for discussion
 - Topical contributions with ~5' for questions.
- The contributions slides are in English, speakers are free to give the talk in English or Spanish.

Today agenda

WEDNESDAY, 28 APRIL		📅 \$
09:00 → 11:00	COMCHA: Session I	. \$
09:00	Welcome Speaker: Carmen Garcia (Univ. of Valencia and CSIC (ES))	🕒 9m . \$
09:09	Information Speakers: Andreu Pacheco Pages (Institut de Física d'Altes Energies - Barcelona (ES)) , Jose Hernandez (CIEMAT) , Jose Salt (Univ. of Valencia and CSIC (ES)) , Luca Fiorini (Univ. of Valencia and CSIC (ES))	🕒 1m . \$
09:10	Hardware for Machine Learning and ML as a service Speaker: Miguel Ángel Martínez del Amor (University of Seville)	🕒 50m . \$
10:00	Anomalies detection with Machine Learning at the LHC Speaker: Judita Mamuzic (IFIC Valencia)	🕒 1h . \$
11:00 → 11:30	Break	🕒 30m
11:30 → 14:00	COMCHA: Session II	. \$
11:30	Application of Machine Learning for LHC experiment operations Speaker: Pablo Martínez Ruiz Del Arbol (Universidad de Cantabria and CSIC (ES))	🕒 50m . \$
12:20	Topical presentations	🕒 1h 15m . \$
	• A Deep Learning approach to LHCb Calorimeter reconstruction using a Cellular Automaton Speaker: Nuria Valls Canudas (La Salle, Ramon Llull University (ES))	🕒 15m . \$
	• Jet classification in t-tbar decays of heavy BSM resonances in ATLAS using ML techniques Speaker: Jorge Juan Martínez De Lejarza Samper (Univ. of Valencia and CSIC (ES))	🕒 15m . \$
	• DNN used in the search for scalar top quark pair production in the top corridor region Speaker: Andrea Trapote Fernández (Universidad de Oviedo (ES))	🕒 15m . \$
	• High-dimensional sampling algorithms comparison for particle and astrophysics applications Speaker: Judita Mamuzic (IFIC Valencia)	🕒 15m . \$
	• Hunting dark matter signals with deep learning at the LHC Speaker: Andres Daniel Perez (IFLP - UNLP/CONICET)	🕒 15m . \$
13:35	Future of COMCHA Speaker: Arantza De Oyanguren Campos (Univ. of Valencia and CSIC (ES))	🕒 25m . \$