	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY
09:00-09:20	*Welcome*	IT: Alberto Krone-Martins *Unsupervised Learning*	IT: Giuseppe Longo *Artificial intelligence in Astronomy. successes and open problems*	IT: John Skilling *Computation in Big Spaces*	IT: Rafael S. de Souza *Cosmostatistics Initiative: how to catalyse interdisciplinarity*
09:20-09:40	IT: Laura Leal-Taixé: *An introduction to AI and Deep Learning*				
09:40-10:00		Tutorial: Machine Learning: an introduction in Python notebooks	IT: Mi Dai *The Photometric LSST Astronomical Time-Series Classification Challenge (PLAsTiCC)*	Bailer-Jones: Quasar and galaxy classification in Gaia DR 2	IT: Jens Jasche *Large Scale Bayesian Data Interpretation in Cosmology*
10:00-10:20	Alowais: *Meteorite Hunting using Deep Learning*			Ratzenboeck: *Searching for what no one is looking for*	
10:20-10:40	Pasquato: *Image in science out: a proof of concept with deep learning on molecular cloud simulations*		Zelinka: *Bioinspired Computation in Astrophysics*	Vioque: *New catalogue of Pre-Main Sequence objects using AI*	**POSTER COMPETITION WINNERS**
10:40-11:00	**COFFEE BREAK**		**COFFEE BREAK**	**COFFEE BREAK**	**COFFEE BREAK**
11:00-11:20					
11:20-11:40	IT: Emille Ishida *Active Learning in Astronomy*		Wong: *Modern Neural Networks: A Pathway to Better Adaptive Optics*	Leung: *Mapping the Milky Way Galaxy with Deep Learning*	Alger: *Extracting Meaningful Features from Early-Science Radio Data*
11:40-12:00			Bonse: *Machine learning based atmosphere prediction for extreme adaptive optics*	Yelkenci: *Comparing Performance of Machine Learning Algorithms for Galaxy Classification*	Schmidt: *Deriving Constraints on Quasar Lifetime and Obscuration Using Likelihood-Free Inference*
12:00-12:20	Cornu: *Deep learning for the selection of YSO candidates from IR surveys*		Paillassa: *MaxiMask: A new tool to identify contaminants in astronomical images using convolutional neural networks*	Landoni: *Machine Learning as a Service - Application of Google Cloud Platform to Machine Learning problems*	Bernreuther: *Detecting and characterizing interstellar structures with Machine Learning methods*
12:20-12:40	Agarwal: *Unraveling interior evolution of terrestrial planets using Machine Learning*		Cabayol Garceda: *Background prediction on astronomical images with deep learning*	Enßlin: *Information field theory*	**GROUP PHOTO**
12:40-13:00	**LUNCH**	**LUNCH**	**LUNCH**	**LUNCH**	**LUNCH**
13:00-13:20					
13:20-13:40					
13:40-14:00					
14:00-14:20	Latkovic: *Recognition of total eclipses in binaries with computer vision*	Chaushev: *Classifying Exoplanet Candidates with CNNs: Applications to the NGTS*	IT: Dalya Baron *Mining for novel information in large and complex datasets*	Special Talk: Zdenka Kuncic *Emergent Intelligence from Neural Network Hardware*	Troester: *Painting with baryons: augmenting N-body simulations with gas using deep generative models*
14:20-14:40	Choquet: *Data Mining in Hubble's archive to find extrasolar systems*	Malyali: *Automated Classification of eROSITA's Transient and Variable Sources*			Turner: *Synergies between low- and intermediate-redshift galaxy population classifications revealed with unsupervised machine learning*
14:40-15:00	Moeller: *SuperNNova: Bayesian Neural Network light-curve classification*	Marais: *Machine learning techniques to classify transients using LSST: a proof of concept using MeerLICHT*	Delli Veneri: *Stellar Formation Rates for photometric samples of galaxies using machine learning methods*		FINAL DISCUSSION
15:00-15:20	Tutorial: Introduction to Machine Learning with Intel® Software tools	Tutorial: Deep Learning at Scale using Distributed Frameworks	**COFFEE BREAK**	Tutorial: Numerical Information Field Theory - turning data into images the Bayesian way	**END OF WORKSHOP**
15:20-15:40					
15:40-16:00			POSTER VIEWING		
16:00-16:20			**FREE**		
16:20-16:40					
16:40-17:00					
17:00-17:20					
17:20-17:40					
17:40-18:00	BEER & BREZ'N POSTER VIEWING	BEER & BREZ'N POSTER VIEWING			
19:00				**SOCIAL DINNER**	