Time	Mins	Speaker	Subject
10:00 - 10:30	**30**		**Coffee**
10:30 - 10:40	**10**	**Paul Wright** (University of Exeter)	**Welcome and Introduction**
Overview of Machine Learning for Space Weather			
10:40 - 11:00	20	**Andrés Acensios Ramos** (Instituto de Astrofísica de Canarias)	**Machine Learning in Heliophysics** [Invited]
11:00 - 11:15	15	Frank Soboczenski (University of York)	Empowering AI Research & Development: Demonstrating the Impact of ML Platforms like HuggingFace
11:15 - 11:25	**10**		**Break**
Session Topic: Data-Driven Approaches in Space Weather (Focus: Nowcasting, and interpretability in space weather predictions.)			
11:25 - 11:40	15	Edoardo Legnaro (University of Genova)	Deep Learning Techniques for Sunspot Classification
11:40 - 11:55	15	Hua-Liang Wei (University of Sheffield)	Knowledge Guided Transparent, Interpretable and Simulatable Machine Learning for Space Weather Forecasting
Session Topic: ML for Forecasting and Predictive Models (Focus: ML techniques for datasets, feature extraction, and event classification.)			
11:55 - 12:10	15	Ndifreke Nyah (University of Central Lancashire)	A Global and Spatiotemporal Time-Distributed Multivariate Deep Learning with Dynamic Data Sequencing for Solar Flare Forecasting
12:10 - 12:25	15	Dylan Weston (Northumbria University)	Using a Random Forest to understand and accurately predict flux levels in Earth's Van Allen Radiation Belts
12:25 - 12:35	**10**		**Break**
12:35 - 12:55	3	Martin Sanner (University of Dundee)	An explainable model for solar active region detection towards evolution prediction
	3	Alexandra Ruth Fogg (DIAS)	Wavelet Scattering Network for detection of Sudden Commencements
	3	Besma Guesmi (Ubotica Technologies)	EoFTCNets: Efficient Solar Flare Nowcasting using 3D Temporal Convolutional Networks (3DTCN)
	3	Charles Bowers (DIAS)	Estimating Interplanetary Magnetic Field Conditions at Mercury's Orbit from MESSENGER Magnetosheath Observations using a Feedforward Neural Network
	3	Lightning Speaker 5	Lightning Talk 5
	3	Serhii Ivanov (DIAS)	Forecast horizon and the prediction of the geomagnetic Dst index
12:55 - 13:00	5	Shane Maloney (DIAS)	SolarMonitor Demo
13:00 - 14:00	**60**		**Lunch**
Session Topic: Operational Deployment and Monitoring (Focus: Institutional implementations and real-world forecasting systems.)			
14:00 - 14:20	20	**David Jackson**	**Machine Learning in operational space weather forecasting: challenges and opportunities**

Time	Mins	Speaker	Subject
10:00 - 10:30	**30**		**Coffee**
		(UK Met Office)	[Invited]
14:20 - 14:35	15	Andy Smith (Northumbria University)	Space Weather Forecasts of Ground Level Space Weather with Machine Learning: Performance, Limitations and Operational Challenges
14:35 - 14:50	15	Hannah Rüdisser (Austrian Space Weather Office)	Enhancing Space Weather Forecasting with Machine Learning at the Austrian Space Weather Office
14:50 - 15:10	20	**Greg Lucas** (LASP; SWx-TREC)	**SWx TREC Model Staging Platform** [Invited]
15:10 - 15:25	15	Jinen Daghrir (Ubotica Technologies)	3CSD MLOps: Enhancing Edge MLOps with Computational Storage for Efficient Model Maintenance and Intelligent Triage Systems
15:25 - 15:28	3	Milo Buitrago Casas (UC Berkeley)	Early and Actionable Flare Alerts for Large Solar Flare Observation Campaigns
15:28 - 15:35	7		Closing Remarks
15:35 - 16:00			**Tea**