SPW 11 Scientific Program

Monday (Sep)

Start time	S	Author(s)	Note	Title
8:00		Registration		
8:45		Welcome		
9:00	1	J. O. Stenflo	Special talk	30 years SPWs - Time for an Assessment
9:40	1	H. Socas-Navarro	Invited talk	The European Solar Telescope: Status Update
10:20		Coffee break & Poster session		
11:20	1	A. Feller	Invited talk	The Sunrise III UV Spectropolarimeter and Imager: New High-Resolution Data of our Sun in the Near-UV
12:00	1	M. Collados		From TIP@VTT to GRIS@GREGOR: 25+ years of successful near-infrared spectropolarimetry at the Observatorio del Teide
12:20	1	M. Galloway		Development of SoWiSP, a wide spectral coverage spectropolarimeter
12:40	1	C. E. DeForest		Polarimeter to UNify the Corona and Heliosphere (PUNCH): Mission Status and First Light
13:00		Lunch break		
15:00	1	A. de Wijn	Invited talk	DKIST - Capabilities and results achieved with ViSP
15:40	1	Michiel van Noort		Optimizing the signal content of integral field spectropolarimeters
16:00	1	S. Gunár		Proba-3, ASPIICS coronagraph and polarimetry
16:20	1	H. Pruthvi		Lithium Niobate Fabry-Pérot Interferometer: Roadmap for Development
16:40		Coffee break & Poster session		
17:40	1	J. Sinjan		A stray light correction for SO/PHI-HRT, and an updated cross-calibration with SDO/HMI
18:00	1	V. Bommier		THEMIS: a calibration-free solar telescope
18:20	2	M. J. Martínez González	Invited talk	Spectropolarimetry: deciphering the magnetism of the Sun and stars
19:00		End of the day		

Tuesday (Sep 9)

Start time	S	Author(s)	Note	Title
9:00	2	R. Ishikawa	Invited talk	Overview of the scientific discoveries of the CLASP missions
9:40	2	F. Zeuner		DKIST resolves sub-arcsec photospheric scattering polarization
10:00	2	X. Li		Stereoscopic disambiguation of solar vector magnetic fields using observations from SO/PHI and SDO/HMI
10:20		Coffee break & Poster session		
11:20	2	Jonas Zbinden		Penumbra formation: An observational study of the photosphere and chromosphere in three dimensions.
11:40	2	S. Castellanos Durán		Superstrong magnetic fields are common in bipolar light bridges
12:00	2	G. Liu		Interpretation of IFU spectropolarimetric observations of solar plage photosphere
12:20	2	K. Ichimoto		Magnetic field and waves in solar prominences
12:40	2	D. Yamasaki		Magnetic field diagnostic of solar filaments with spectropolarimetric observations in He I 1083nm
13:00		Lunch break		
15:00	2	D. Arramy		Investigating the evolution of the magnetic field during a X-class flare using the spatially-coupled STiC
15:20	2	I. Kontogiannis		First near-continuous monitoring of NOAA 13664 from emergence to decay: magnetic field evolution, complexity parameterization and flaring output
15:40	2	F. Vitali		IRSOL: spectropolarimetry in solar flares
16:00	2	M. Kubo		SUNRISE III/SCIP observations of three-dimensional magnetic fields in the solar atmosphere
16:20	2	Sanjay Gosain		Progress towards routine full-disk NLTE inversions of the SOLIS/VSM Ca II 854 nm observations
16:40		Coffee break & Poster session		
17:40	2	Soham Dey		Spectro-polarimetry of solar radio bursts to probe the solar corona
18:00	2	Puja Majee		A Detailed Polarimetric Study of a Type-II Solar Radio Burst with MWA
18:20	3	L. Ferrario	Invited talk	Magnetic fields in white dwarfs and neutron stars
19:00		End of the day		

Wednesday (Sep 10)

Start time	S	Author(s)	Note	Title
9:00	3	G. Wade	Invited talk	Before the Compact Stage: Magnetic Fields in Stars of All (St)Ages
9:40	3	Stefano Bagnulo		The variability of magnetic white dwarfs
10:00	3	K. Nagaraju		Properties and origin of Sun-as-a-star magnetic field
10:20		Coffee break & Poster session		
11:20	3	K. M. Hiremath		Large scale global steady magnetic field structure of the sun: probably of primordial origin
11:40	3	J. M. Raygoza-Romero		A Neural Network and Optimization Framework for the Inversion of Multiline Full-Stokes Stellar Spectropolarimetric Data
12:00	4	L. Belluzzi	Special talk	Javier Trujillo Bueno: a Life in the Science of Solar Spectropolarimetry
12:40		Lunch break		
14:40	4	H. D. Supriya	Invited talk	Spectropolarimetry of Coronal Lines: Forward Modeling Tools and Their Applications
15:20	4	E. Alsina Ballester		Spectropolarimetric synthesis of forbidden lines in MHD models of coronal bright points
15:40	4	R. Khan		EUV polarimetry of coronal E1 transition lines: Potential, Challenges and Future
16:00	4	N. G. Shchukina		Coronal Magnetometry with EUV Permitted Line
16:20	4	Shaonwita Pal		Polarization Signatures and Coronal Magnetic Memory During the April 8 2024 Great North American Eclipse
16:40		Coffee break & Poster session		
17:40	4	M. Sampoorna		Effects of angle-dependent partial redistribution on linear polarization profiles from a spherically symmetric medium
18:00	4	Harsh Mathur		The Hα line as a probe of chromospheric magnetic fields
18:20	4	I. Juanikorena Berasategi		The magnetic sensitivity of the Ca~{\sc{ii}} resonance and subordinate lines in the solar atmosphere
18:40	4	Momchil Molnar		Title: He I 1083 as a unsaturated Hanle diagnostic of the magnetic field in CMEs
19:00		End of the day		

Thursday (Sep 11)

Start time	S	Author(s)	Note	Title
9:00	4	P. Benedusi	Invited talk	Efficient 3D radiative transfer modeling of scattering polarization
9:40	4	G. Janett		Modeling of the scattering polarization of strong resonance lines: forward and inversion problems
10:00	4	A. V. Sukhorukov		3D Radiative Transfer Modeling of the Scattering Polarization in the Wings of Mg II k and h
10:20		Coffee break & Poster session		
11:20	5	T. del Pino Alemán	Invited talk	Full Stokes inversions with scattering polarization: 1D and 3D
12:00	5	A. Vicente Arevalo		3D inversion of a solar prominence
12:20	5	M. Kramar		3D Coronal Magnetic Field Inversion: from UCoMP toward DKIST
12:40	5	D. Afonso-Delgado		Exploring Chromospheric Magnetism: Polarization Diagnostics from Mg II and Fe II Spectral Lines
13:00		Lunch break		
15:00	5	J. Hölken		Towards solar many-line inversions
15:20	5	A. Pastor Yabar		Spectropolarimetric inversions including physical constraints
15:40	5	A. Meissner		Inference of magneto-hydrostatic equilibrium in the chromosphere
16:00	5	T. Anan		Electric field diagnostics with the H-epsilon line
16:20	5	D. Vukadinovic		Robustness of the transition probability of atomic lines inferred from solar spectra
16:40	5	Coffee break & Poster session		
17:20	5	J. Trujillo Bueno	Special talk	
19:30		Coference dinner		

Friday (Sep 12)

Start time	S	Author(s)	Note	Title
9:00	5	J. de la Cruz Rodríguez	Invited talk	Global inversions using multi-resolution solar data
9:40	5	A. Asensio Ramos		Neural machine translation for solar atmospheric modeling
10:00	5	R. Campbell		A Transformer-Based Approach to Spectropolarimetric Regression
10:20		Coffee break & Poster session		
11:20	5	C. J. Díaz Baso		Magnetic Field Reconstruction via Neural Field Assisted Spectropolarimetric Inversions
11:40	5	J. Ramirez Velez		Transfer technique applied to polarized spectral lines
12:00	5	Yuchuan Wu		Non-LTE synthesis and inversion of the Mg I 12.32 µm line
12:20	5	Wenxian Li		Inferring the Solar Magnetic Field from the Stokes Profiles of the Mg I 12.32-micron Emission Line: Seares' approximation and Non-LTE inversion
12:40		Farewell		
		Organized tours		