

WELCOME TO

THE 2026 e-WORKSHOP



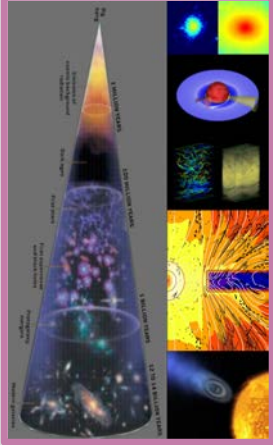
**From the HST UV Initiative to the Next
UV Observatory**

**Making the Most of Today's UV
Window While Shaping Tomorrow's
Missions**

What's the purpose of the NUVA

- To assist in the Road-map exercises of the agencies funding astronomical and space-based scientific research.
- To evaluate the needs for data acquired at ultraviolet wavelengths for Astronomy, Astrophysics, Astrobiology and Cosmology.
- To keep the UV community well communicated in term of the latest technical and instrumentation developments.
- To define common standards and data exchange protocols.
- To promote synergetic projects among the members of the UV community.

2007



2010



2013



2017



2022



2025

e-WORKSHOPS

2021 1st NUVA e-Workshop



2023 2nd NUVA e-Workshop

2024 3rd NUVA e-Workshop

2026 4th NUVA e-Workshop



1st NUVA meeting – El Escorial - 2007

6th NUVA meeting – Marseille- 2025



Scientific Program

SOC: Kevin France, Patrick Cote, Shingo Kameda, Ana. I. Gómez de Castro, Luciana Bianchi, Jayant Murthy, Mikhail E. Sachkov, Martin Barstow, Vincent Hue, Paul A. Scowen.

Program is subject to minor changes

DAY 1	PRESENTER	INSTITUTION	TITLE	AUTHORS
15:00-15:05	Prof. Ana I Gómez de Castro	Joint Center for UV Astronomy- Universidad Complutense de Madrid	WELCOME	
15:05-15:20	Dr.Tyrone Woods	University of Manitoba	The Cosmological Advanced Survey Telescope for Optical and UV Research	Tyrone Woods, Patrick Côté
15:20-15:35	Dr. Anju Panthi	Independent Researcher	UOCS XX: ultraviolet signatures of binary evolution in the open cluster Berkeley 21	Anju Panthi, Sanmesh Deshmukh, Komal Chand and Kaushar Vaidya
15:35-15:50	Dr. Paul Scowen	NASA	HWO Investment in Key Technologies and Instrument Concepts for UV-Vis Astrophysics	Paul Scowen
15:50-16:05	Mr. Joshua Emanuel Lara Sabala	National Institute of Astrophysics, Optics and Electronics	Optimizing Atomic Parameters for UV Spectral Synthesis: A Comparative Study of Evolutionary Algorithms	Joshua Emanuel Lara Sabala, Emanuele Bertone, Alicia Morales Reyes, Miguel Chávez Dagostino
16:05-16:20	Ms. Emily Farr	University of Colorado Boulder	MANTIS: Recent Instrument Development and Optical Testing of an EUV - Optical SmallSat	Emily Farr, Briana Indahl, Brian Fleming, Dmitry Vorobiev, Kevin France, Timothy Hellickson, Nicholas Kruczek, Fabien Grisé
16:20-16:35	Prof. Sarah Tuttle	University of Washington, Seattle	Determining Intergalactic Structure with Cosmic Origins (DISCO) : A proposed FUV spectroscopic SMEX	Sarah Tuttle, Jessica Werk, Sanchayeeta Borthakur, Frances Cashman, Michael Davis, Emily Witt, Brian Fleming
16:35-16:50	Dr. Ertley	Southwest Research Institute	The Current State of the Art in Large-Format Microchannel Plate Detectors for Ultraviolet Astronomy	C. Ertley ¹ , O. Siegmund ² , A. Martin ² , J. McPhate ³ , T. Curtis ³ , B. Schwab ³

2 days - ~4 hours per day (13:00- 18:00)UTC

15:00-15:05	Prof. Ana I Gómez de Castro	Joint Center for UV Astronomy- Universidad Complutense de Madrid	WELCOME
15:05-15:20	Dr.Tyrone Woods	University of Manitoba	The Cosmological Advanced Survey Telescope for Optical and UV Research
15:20-15:35	Dr. Anju Panthi	Independent Researcher	UOCS XX: ultraviolet signatures of binary evolution in the open cluster Berkeley 21
15:35-15:50	Dr. Paul Scowen	NASA	HWO Investment in Key Technologies and Instrument Concepts for UV-Vis Astrophysics
15:50-16:05	Mr. Joshua Emanuel Lara Sabala	National Institute of Astrophysics, Optics and Electronics	Optimizing Atomic Parameters for UV Spectral Synthesis: A Comparative Study of Evolutionary Algorithms
16:05-16:20	Ms. Emily Farr	University of Colorado Boulder	MANTIS: Recent Instrument Development and Optical Testing of an EUV - Optical SmallSat
16:20-16:35	Prof. Sarah Tuttle	University of Washington, Seattle	Determining Intergalactic Structure with Cosmic Origins (DISCO) : A proposed FUV spectroscopic SMEX
16:35-16:50	Dr. Ertley	Southwest Research Institute	The Current State of the Art in Large-Format Microchannel Plate Detectors for Ultraviolet Astronomy
16:50-17:05	Dr. Julia Roman-Duval	Space Telescope Science Institute	Hubble status and outlook
17:05-17:10	Ms. Ana Iglesias Moreno	Consejo superior de investigaciones científicas - Instituto de óptica	Environmental stability of extra narrowband for FUV instrumentation
17:10-17:15	Ms. Ying Yang	Purple Mountain Observatory, Chinese Academy of Science	Optical Design and Performance of LyRIC for Lyman Ultraviolet Diffuse-Emission Spectroscopy
17:15-17:20	Ms. Ananya Brahmi	Joint Center for UV Astronomy- Universidad Complutense de Madrid	UV ellipsometry to measure the spectropolarimetric signal of chiral amino acids abundant in space ices.
17:20-17:45	BREAK		
17:45-18:00	Mr. Alejandro García-Cañas	GOLD - Instituto de Óptica (CSIC)	Rejecting Lyman- α with an innovative optical reflecting notch filter
18:00-18:15	Dr. Sonika Piridi	National Institute of Technology Rourkela	Study of integrated far-ultraviolet (FUV) emissions from Galactic globular clusters using UVIT/AstroSat observation
18:15-18:30	Prof. Jeffrey L. Linsky	JILA/University of Colorado	The case for high-resolution spectroscopy in the ultraviolet
18:30-18:45	Dr. Dolon Bhattacharyya	Laboratory for Atmospheric and Space Physics	CETIM-Earth: Modelling Thermospheric Structure and Atmospheric Escape from Exo-Earths for the Habitable Worlds Observatory
18:45-19:00	Dr. Shu Niu	Purple Mountain Observatory, CAS	Vacuum ultraviolet quantum efficiency measurement of a GSENSE2020BSI-PS CMOS camera using synchrotron radiation
19:00-19:15	Prof. Martin Barstow	University of Leicester	Planning for a UK-led instrument contribution to the Habitable Worlds Observatory
19:15-19:30	Dr.Sreejith Aickara Gopinathan	Space Research Institute, Austrian Academy of Sciences	Wide-band Atmospheric Laboratory for Transiting Exoplanet Research (WALTzER): ESA F mission concept
19:30-19:35	Prof. Denis Leahy	University of Calgary	UV to near IR spectrophotometry of UV-bright stars in M31 with UVIT and HST

15:00-15:15	Dr. Cynthia Froning	Southwest Research Institute	HST Characterization of the Stellar XUV Emission of HWO Target Stars
15:15-15:30	Prof. Ana I Gómez de Castro	Joint Center for UV Astronomy- Universidad Complutense de Madrid	Towards an international lunar orbiter for UV imaging
15:30-15:45	Prof. Seth Redfield	Wesleyan University	Our Immediate Interstellar Medium and its Impact on Stars and Planets as Revealed by High Resolution UV Spectroscopy
15:45-16:00	Ms. Jade Yeung	University of Manitoba	An Exposure Time Calculator for CASTOR's UV Multi-Object Spectrograph
16:00-16:15	Mr. Charles Lee	University of Manitoba	Digital micromirror device as a reconfigurable slit unit for UV multi-object spectroscopy
16:15-16:30	Prof. Anne Verhamme	University of Geneva	Swiss contribution to UVEX, confirmed NASA mission which will fly in the early 2030s
16:30-16:45	Prof. Giulio Del Zanna	University of Cambridge	Atomic modelling in the UV for stellar atmospheres
16:45-16:50	Ms. Noelia Bornay	Joint Center for UV Astronomy- Universidad Complutense de Madrid	Far UV reflectometry of meteorites
16:50-16:55	Prof. Peter Johnson Brown	Texas A&M University	The Swift Optical Ultraviolet Supernova Archive Value-Added Catalog
16:55-17:10	Dr. Gareth T. Jones	University of Manitoba	Unlocking the evolution of star formation with CASTOR
17:10-17:15	Dr. Matt Kalscheur	University of Colorado	Analyzing Inner Disk UV-H2 for Signs of Shadowing in EP Cha
17:15-17:30	BREAK		
17:30-17:45	Dr. Maria Luiza L. Dantas	Pontificia Universidad Católica de Chile	The T-GEX project I: hidden UV-bright FGK stars and the UV excess of quiescent galaxies
17:45-18:00	Mr. Diego Edgardo Beltrán Flores	Pontificia Universidad Católica de Chile	The T-GEX project II: chemical fingerprints and Galactic origins of UV-bright FGK stars
18:00-18:15	Dr. Yago Ascasibar	Universidad Autónoma de Madrid (UAM)	Galactic ageing and quenching over the last 10 billion years
18:15-18:30	Dr. Sergey Karpov	FZU - Institute of Physics, Czech Academy of Sciences	Looking for objects with unusually bright UV emission in modern sky surveys
18:30-18:45	Dr. Nuria Gutiérrez Luna	Instituto de óptica -CSIC	VUV Optical Technologies for Space Astrophysics
18:45-19:00	Dr. Chayan Mondal	S. N. Bose National Centre for Basic Sciences	Probing the Interstellar Dust of Galaxies at Redshift $\sim 0.4 - 0.8$ in the AstroSat UV Deep Field
19:00-19:15	Dr. Svea Hernandez	Space Telescope Science Institute	Building the UV Legacy: Massive-Star Feedback from HST to HWO
19:15-19:30	Dr. Maria S. Kirsanova	Institute of Astronomy of the Russian Academy of Sciences	The OPTIMus Survey of Massive Star-Forming Regions: Science Goals and Prospects for UV Follow-Up
19:30-19:45	CLOSING		

Enjoy it!

.... and respect the timing, PLEASE!

