

# ADASS XXXI • 24–28 Oct 2021 • Cape Town



## INVITED TALKS

PDF	<a href="#">video</a>	<a href="#">Scaling Science in the Era of Survey Astronomy</a>	Andy Connolly	I7-002
	<a href="#">video</a>	<a href="#">Teaching Resources for Virtual Observatory</a>	Chenzhou Cui	I5-001
	<a href="#">video</a>	<a href="#">Taking Passengers on Planetary Exploration Vessels: Benefits of Engaging Space Enthusiast Communities with Rapidly Released Image Data</a>	Emily Lakdawalla	I6-001
	<a href="#">video</a>	<a href="#">A Next-Generation Very Large Array</a>	Eric J. Murphy	I2-001
	<a href="#">video</a>	<a href="#">GALAXY CRUISE Engages Citizen Astronomers to Explore Galaxies</a>	Kumiko Usuda-Sato	I8-001
	<a href="#">video</a>	<a href="#">Exploring Mars with 150,000 Earthlings</a>	Meg Schwamb	I8-002
PDF	<a href="#">video</a>	<a href="#">Anomaly Detection in Astronomical Data using Machine Learning</a>	Michelle Lochner	I7-001
PDF	<a href="#">video</a>	<a href="#">The TOM Toolkit: Power tools to enhance science and observations</a>	Rachel Street	I0-002
	<a href="#">video</a>	<a href="#">FAIR standards for astronomical data</a>	Simon O'Toole	I4-001
PDF	<a href="#">video</a>	<a href="#">Quantifying scientific correctness in radio interferometric imaging</a>	Urvashi Rau	I0-001



## CONTRIBUTED TALKS

	<a href="#">video</a>	<a href="#">Natural language processing of astronomical transients reports</a>	Adam Zdrożny	O1-005
PDF	<a href="#">video</a>	<a href="#">AIMfast: An Astronomical Image Fidelity Assessment Tool</a>	Athanasius Javas Ramaila	O0-004
	<a href="#">video</a>	<a href="#">A globally distributed and scalable data post-processing framework for WALLABY science</a>	Austin Shen	O0-003
	<a href="#">video</a>	<a href="#">Three workflow add-ons to improve machine learning reproducibility in astronomy</a>	Bernie Boscoe	O0-006
PDF	<a href="#">video</a>	<a href="#">Data Central's Data Aggregation Service</a>	Brent Miszalski	O3-003
PDF	<a href="#">video</a>	<a href="#">Julia meets BIG DATA: JVO experience with distributed computing</a>	Christopher ZAPART	O7-001
PDF	<a href="#">video</a>	<a href="#">Lessons learned by adding cloud support to Rubin software</a>	Dino Bektesevic	O7-002
PDF	<a href="#">video</a>	<a href="#">Artificial Intelligence for Automatic Identification of Spectral Lines</a>	Emmanuel Caux	O7-006
PDF	<a href="#">video</a>	<a href="#">A Science-Centric, Open approach to Scrum</a>	Erik Tollerud	O0-002
PDF	<a href="#">video</a>	<a href="#">Building astroBERT, a language model for Astronomy &amp; Astrophysics.</a>	Felix Grezes	O1-001
PDF	<a href="#">video</a>	<a href="#">An Unsupervised Learning approach to classifying Extended Radio Sources from deep MeerKAT images</a>	Fernando L. Ventura	O1-006
	<a href="#">video</a>	<a href="#">European Virtual Observatory Schools</a>	Fran Jiménez-Esteban	O5-001
PDF	<a href="#">video</a>	<a href="#">Rubin Science Platform on Google: the story so far</a>	Frossie Economou	O3-002
	<a href="#">video</a>	<a href="#">Advanced Data Analysis for Observational Cosmology: applications to the study of the Intergalactic Medium</a>	Guido Cupani	O1-003
PDF	<a href="#">video</a>	<a href="#">Fast interactive web-based data visualizer of panoramic spectroscopic surveys</a>	Ivan Katkov	O3-005
PDF	<a href="#">video</a>	<a href="#">WFC3 IR Blob Classification with Machine Learning</a>	Jennifer Medina & Frederick Dauphin	O1-007
	<a href="#">video</a>	<a href="#">Designing the SKA Regional Centre Network</a>	Jesus Salgado & Slava Kitaeff	O7-003
PDF	<a href="#">video</a>	<a href="#">QuartiCal - embarrassingly parallel calibration using Numba and Dask</a>	Jonathan Kenyon	O7-007
	<a href="#">video</a>	<a href="#">Managing the data flow of the MHONGOOSE survey with open-access tools</a>	Julia Healy	O0-007
PDF	<a href="#">video</a>	<a href="#">Observing, calibrating and reducing near-infrared imaging mosaics</a>	Kirill Grishin	O6-001
PDF	<a href="#">video</a>	<a href="#">Supporting FAIR principles in the Astrophysics Community - the European experience</a>	Marco Molinaro	O4-001
PDF	<a href="#">video</a>	<a href="#">Grand opening of the European JWST Archive at the ESAC Science Data Centre</a>	Maria Arevalo Sanchez	O3-008
	<a href="#">video</a>	<a href="#">The universe speaks for itself: from unsupervised physics to semantic source separation</a>	Martino Romaniello	O7-008
PDF	<a href="#">video</a>	<a href="#">FAIR high level data for Cherenkov astronomy</a>	Mathieu Servillat	O4-002
PDF	<a href="#">video</a>	<a href="#">Building Trustworthy Machine Learning Models for Astronomy</a>	Michelle Ntampaka	O1-002
PDF	<a href="#">video</a>	<a href="#">Maneage: Managing data lineage for archivable reproducibility</a>	Mohammad Akhlaghi	O0-001
	<a href="#">video</a>	<a href="#">ESASky: a visualisation tool for multi-messenger astronomy</a>	Nuria Alvarez Crespo	O3-007
PDF	<a href="#">video</a>	<a href="#">Astronomical Data Approximation Based on Neural Network Models</a>	Samorodova Ekaterina & Konstantin Malanchev	O1-004
	<a href="#">video</a>	<a href="#">Uncertainty-Aware Learning for Improvements in Image Quality of the Canada-France-Hawaii Telescope</a>	Sankalp Gilda	O2-001
PDF	<a href="#">video</a>	<a href="#">Stimela 2.0: containerization and workflow management for data pipelines</a>	Sphesihle Makhathini	O0-005
PDF	<a href="#">video</a>	<a href="#">The Intelligent Observatory (South African Astronomical Observatory)</a>	Stephen Potter	O2-002
PDF	<a href="#">video</a>	<a href="#">Multi-segment and Echelle stellar spectra processing issues and how to solve them</a>	Sviatoslav Borisov	O2-003
PDF	<a href="#">video</a>	<a href="#">Web accessibility trends and implementation in dynamic web applications</a>	Tim Hostetler	O3-001
PDF	<a href="#">video</a>	<a href="#">Gaia AVU-GSR parallel solver towards exascale infrastructure</a>	Valentina Cesare	O7-004
PDF	<a href="#">video</a>	<a href="#">A Tool to Explore Astronomical Databases and Transform Data into Planetarium Formats</a>	Venustiano Soancatl Aguilar	O3-004
PDF	<a href="#">video</a>	<a href="#">Homogenization of multi-wavelength photometric data for RCSEdV2</a>	Victoria Toptun	O7-009
	<a href="#">video</a>	<a href="#">pyds9plugin: a DS9 extension for quicklook processing scalable into a multi-processing pipeline</a>	Vincent Picouet	O6-002
PDF	<a href="#">video</a>	<a href="#">Open-source web tools for visualization of imaging and spectral data in RCSEdV2</a>	Vladislav Klochkov	O3-006