

Swiss SKA Days 2025

Tuesday, 26 August 2025

Tuesday morning: Opening Session (Day 2) - SW E11 (Aula) (09:00 - 09:15)

-Conveners: Emma Tolley

time	[id] title	presenter
09:00	[105] A plenary overview of the parallel sessions	TOLLEY, Emma

Tuesday morning: Dark & Quiet Skies - SW 401 (09:15 - 10:55)

-Conveners: Carolyn Crichton

time	[id] title	presenter
09:15	[96] Satellite Mega-constellations: The risks for the SKA and a Potential Solution with TABASCAL	Dr FINLAY, Chris
09:35	[91] Committee on Radio Astronomy Frequencies: an update on our ongoing work for protecting radio astronomy	WAMPFLER, Susanne
09:55	[111] The renewed IAU Centre for the Protection of Dark and Quiet Sky	Prof. BENVENUTI, Piero
10:15	[109] Satellite software tools for the community	PEEL, Mike
10:35	[107] The importance of Dark and Quiet Skies in Swiss Astronomy and the Dialog with the Space Industry	HELLMICH, Stephan

Tuesday morning: Data Science & Imaging (Part 1) - SW E11 (Aula) (09:15 - 10:35)

-Conveners: Emma Tolley

time	[id] title	presenter
09:15	[74] The R2D2 deep neural network series paradigm for radio-astronomical imaging	Mr TAJJA, Ayoub
09:35	[66] Classification of cluster radio emission with machine learning	BREDBERG, Markus
09:55	[82] Radio Astronomy in the era of Large Models: Specialised Fine-tuning	LASTUFKA, Erica
10:15	[84] Complex-valued DDRM for Visibility inpainting	MORALES, Michel

Tuesday morning: Data Science & Imaging (Part 2) - SW E11 (Aula) (11:25 - 12:25)

-Conveners: Emma Tolley

time	[id] title	presenter
11:25	[93] Separating Point Source Contaminants at the Visibility Level	KRISHNA, Shreyam
11:45	[90] Galaxy Clusters on the Road to the SKA: Probing Diffuse Emission with Machine Learning	Dr CHATTERJEE, Swarna
12:05	[87] Radio Astronomy in the era of Large Models: Can Vision-Language Models Generalize to Unseen Scientific Data?	DROZDOVA, Mariia KINAKH, Vitaliy

Tuesday morning: Precursor Science - SW 401 (11:45 - 12:25)

-Conveners: Devin Crichton

time	[id] title	presenter
11:45	[100] The Hydrogen Intensity and Real-time Analysis eXperiment (HIRAX) - Overview and Status Update	CRICHTON, Devin STUDER, Jennifer
12:05	[99] Primary Beam Chromaticity in HIRAX: Characterization from Simulations and Power Spectrum Implications	SAMPATH, Ajith