



# Swiss SKA Days 2023

## Thursday, 7 September 2023

### Thursday Morning: Welcome (Day 2) - Oerlikon Campus - BIN-1-B.01 (10:00 - 10:15)

-Conveners: Carolyn Crichton

### Thursday Morning: Data Science & Imaging - Oerlikon Campus - BIN-1-B.01 (10:15 - 12:20)

-Conveners: Emma Tolley

time	[id] title	presenter
10:15	[14] Learning how to clean deep and fast, with R2D2: Residual-to-Residual DNN series for high-Dynamic range imaging in radio astronomy	Prof. WIAUX, Yves
10:40	[11] PolyCLEAN: A polyatomic CLEAN-like algorithm for sparse Bayesian imaging.	JARRET, Adrian
11:05	[22] Radio-astronomical Image Reconstruction with Conditional Denoising Diffusion Model	DROZDOVA, Mariia
11:30	[24] HVOX: Scalable Interferometric Synthesis and Analysis of Spherical Sky Maps	Dr SIMEONI, Matthieu
11:55	[41] Bluebild - A Next Generation Radio Interferometric Imager	KRISHNA, Shreyam

### Thursday Morning: Workshop: Mid-band 6 - Science - Oerlikon Campus - BIN-0-K.02 (10:15 - 12:20)

-Conveners: Mark Sargent

time	[id] title	presenter
10:15	[59] From sunspots to the birth of Earth-like planets and the earliest galaxies: status update on the SKACH band 6 white paper	SARGENT, Mark
10:30	[52] Science Motivation and Performance Update	Dr BOURKE, Tyler
10:45	[47] Continuous frequency coverage from SKA MID to ALMA	MROCZKOWSKI, Tony
11:00	[26] Astrochemistry - a key science driver for a high frequency extension of the SKA	WAMPFLER, Susanne
11:15	Break	
11:25	[35] Ranging to deep-space missions for gravitational waves and dark matter	SAHA, Prasenjit
11:40	[61] Open Discussion	